

**FACULTY OF ARTS
AND FINE ARTS**

No.

**Syllabi for the
Three-Year Integrated B.A. Degree Course**

F. Y. B. A.



UNIVERSITY OF PUNE

Price : Rs. 00/-

Publisher's Note

The University of Pune has great pleasure in publishing the syllabus for the **F.Y.B.A.** Examination under the Faculty of Arts and Fine Arts.

It is hoped that this syllabus will be most useful to the students of this course.

On behalf of the University, I thank the experts and authorities of the University for their keen interest and whole-hearted co-operation in bringing out this publication.

University of Pune
Ganeshkhind,
Pune-411007.

Dr. D. D. Deshmukh
Registrar

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UNIVERSITY OF PUNE
Syllabi for Three-Year
Integrated B.A. Degree Course
F.Y.B.A.

The B.A. degree course will consist of three years. The first year annual examination shall be held at the end of the first year. The second year annual examination shall be held at the end of the second year. The third year annual examination shall be held at the end of the third year.

- (i) No candidate shall be admitted to enter upon the first year of B.A. Course unless he has passed the higher secondary school certificate examination of the Maharashtra State Board of Higher Secondary Education or an equivalent examination of any other statutory Board or University with English as a passing subject.
- (ii) No candidate shall be admitted to the annual examination of the First Year unless he has satisfactorily kept two terms for the course at the college affiliated to this University.
- (iii) No candidate shall be admitted to the annual examination of the second year B.A. unless he has kept two terms satisfactorily for the same at the college affiliated to this University.
- (iv) No candidate shall be admitted to third year examination of the B.A. Course unless he has passed in all the papers at the first year B.A. Examination and has satisfactorily kept the terms for the second year and also two terms for the third year of B.A. satisfactorily in a college affiliated to this University.

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The structure will be as under :

Bachelor of Arts (B.A.)

- I. The student joining the First Year B.A. Course shall offer six subjects as follows :
 - (i) The student can offer not more than one subject from one group.
 - (ii) Subject in Group “A” is compulsory.
 - (iii) The student has to offer at least one language from Group “B” or Group “C” or Group “J”.
 - (iv) The student may offer one more subject from Group “B” or Group “C” subject to (i) above.

The student may offer “Optional English” from Group “J” alone or in combinations with one language from either Group “B” or Group “C”.

Group “A” .. Compulsory English.

Group “B” .. Marathi, French, German,
Sindhi, Gujarathi, Urdu, Russian.

Group “C” .. Hindi, Persian, Sanskrit,
Ardhamagadhi, Pali, Arabic.

Group “D” .. Economics.

Group “E” .. Politics.

Group “F” .. History, Cultural Anthropology.

Group “G” .. Geography, Music, Public
Administration.

Group “H” .. Psychology, Gandhian Thought,
Yoga.

Group “I” .. History of Civilization, Home
Economics, Defence Studies,
Social Work.

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- Group “J” .. Linguistics, Commerce, Education, Industrial Mathematics, Mathematical Statistics, Optional English, Physical Education.
- Group “K” .. Mathematics, Statistical Prerequisites, Sociology, Logic & Methodology of Science.
- Group “L” .. Statistics, Applied Mathematics, Mathematical Prerequisites, Applied Statistics, Ancient Indian History & Culture, Philosophy.
- Group “M” .. N.S.S., Adult Education.

II. In the Second Year, the student shall decide whether he wants to study for the B.A. (General) or the B.A. (Special) Degree :

(a) (i) The student studying for the B.A. (General) Degree shall study the following subjects in the Second Year :

(1) Compulsory English.

(2-6) Same five subjects offered in the First Year.

(ii) The student studying for the B.A. (General) Degree shall study the following subjects in the Third Year :

(1) Compulsory English.

(2-6) Same five subjects offered in the First and Second Years.

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- (b) (i) The student studying for the B.A. (Special) Degree shall study the following subjects in the Second Year :
- (1) Compulsory English.
 - (2-4) One paper each at General level of the three subjects chosen out of the five subjects offered in the First year.
 - (5-6) Two papers at Special level of one subject chosen as a Special Subject out of the three subjects offered at General level.
- (ii) The student studying for the B.A. (Special) Degree shall study the following subjects in the Third Year :
- (1) Compulsory English.
 - (2-4) One Paper each at General Level of the three subjects offered in the Second Year.
 - (5-6) Two Papers at the Special level of the subject chosen as a Special Subject in the Second Year.
- (c) Normally students are not allowed to change the subject at the second or third year offered by him at the first year. However, as a very special case, a student may be allowed to offer a special subject at the second year, even though he may not have offered the same at the first year. In such case he should have passed his first year examination in all the papers and he will have to complete the first year paper in that new subject at the second year before he goes to the third year. No change of subject will be allowed at the Third Year.

(C) Examinations

1. There shall be examination at the end of the First Year which shall be called “Annual Examination”. The Annual Examination of each subject will be of 100 marks and will be of three hours duration.
2. The staff shall be paid remuneration in accordance with the rules prescribed by the University from time to time.

Practical Examination

3. The practical examination will be of 100 marks and will be held only at the end of the year. The practical Examination wherever laid down will be conducted before the commencement of the Annual (Theory) examination. For practical examination at First Year B.Sc. the present practice of appointing both internal examiners will continue.

For practical examination at Second and Third Year B.Sc. both the examiners will be external.

The College where the practical examination centre is located, will take the responsibility of arranging the practical examinations.

(D) Standard of Passing

1. The candidate who has secured atleast 40 marks out of 100 in the Annual Examination shall be declared to have passed in the paper.
2. The candidate failing to secure 32 marks in the Annual Examination shall have to appear for subsequent Annual Examination in that paper.

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3. The University shall conduct the Supplementary Annual Examination in October for Third Year papers only for the repeater student so as to enable him to save some time.
4. The students having the backlog of subject or subjects of the Second Year will be required to clear the same only in the next April/May Examination.

(E) Award of Class

The class should be awarded to the student on the aggregate marks obtained by him at the First Year Examination. And, in respect of B.A. & B.Com. Degrees on the aggregate marks in the Second Year and Third Year Examinations and in respect of B.Sc. degree on the aggregate marks obtained during the Second Year and the Third Year, in the Principal subject only. The award of class shall be as follows :

1. Aggregate 70% and above .. First Class with Dist.
2. Aggregate 60% and above .. First Class.
3. Aggregate 55% and more .. Higher Second Class.
but less than 60%
4. Aggregate 50% and more .. Second Class.
but less than 60%
5. Aggregate 40% and more .. Pass Class.
but less than 50%
6. Below 40% .. Fail.

University Terms : The dates for the commencement and conclusion of the first and the second terms shall be determined by the University authorities. The terms can be kept by only duly admitted students. The present relevant ordinances pertaining to grant of terms will be applicable.

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A candidate shall have the option of answering the questions in any of the subjects other than languages either in Marathi or in English. In the case of languages, question shall be answered in the media as indicated below except those questions which require translation into particular language :

Languages

Sanskrit, Pali,

Ardhamagadhi

Persian,

Marathi, Gujarathi,

Kannada, Urdu,

Hindi, English

French, German

Media

... The same language or

English or Marathi.

... Persian, Urdu or English.

... The same language.

... The same language or English.

A candidate taking the courses for B.A. First Year or Second Year examination as the case may be, may be permitted by the Principal of the College to change any of the subjects in the course selected by him for particular year before the commencement of the second term. Such candidates are required to pay Rs. 100/- towards change of subject fees to the University.

Conditions :

- (i) A candidate who has been permitted to enter upon the course for the Second Year B.A. examination wishing to change his optional subject or subjects at the First Year examination in which he has failed shall be allowed to do so for that purpose. He will be required to keep two additional terms, for the changed subject for the First Year and he will be required to appear and pass the subject by appearing at the Annual Examination for the changed subject.

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- (ii) The candidate after having kept regular terms for the Second Year and admitted to Third Year will not be allowed to change the subject of the Second Year or the Third Year.

An application (which must be in the prescribed form and accompanied by the prescribed fee) for admission to any of the examinations of B.A. degree course shall be forwarded by a candidate to the Registrar through the Principal of the College attended by him on or before the prescribed date alongwith the certificate from the Principal (1) of his having attended the course and kept the terms according to provision of O.67 and O.72 in the various subjects and of having satisfied the other conditions laid down by the University and (2) of his being fit candidate for the examination.

- (iii) No candidate shall be admitted to First Year of B.A. examination for the first time unless he produces a certificate from his Principal to the effect that he has attended at least 3/4th of the aggregate number of periods for Physical Training or has been exempted therefrom on the grounds that (1) he is medically unfit to undergo such training, (2) he is a member of N.C.C. or (3) he has been regularly taking part as a member of the college team in the recognized fixtures of the major games.

The result of the first year examination shall be declared publicly in two categories viz. (1) the candidate who has passed the first year examination and (2) the candidate is allowed to proceed to second year.

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In case of candidates allowed to proceed to second year course, the result of the first year examination shall be declared if and when they pass in the remaining subjects prior to their admission to the third year of the B.A.

A candidate who has passed in any other heads of passing shall not be allowed to appear in that head.

An Ex-student shall be allowed on a fresh application and payment of a fresh fee to appear at the subsequent examination in those heads of passing in which he has failed or in which he has previously not appeared without keeping any additional term.

A candidate who has failed at the B.A. degree examination and wishes to re-appear with the change in subject for any particular subject but in accordance with the bias of the subjects at the first year will be required to keep the additional requisite terms for the changed subject.

A candidate failing at the B.A. special degree examination shall have option of appearing at the B.A. general degree examination subject to the provisions above. Such candidate will be eligible for a class, a prize, a scholarship, a medal or any other award.

A candidate failing at the B.A. (General) degree examination shall have option of appearing at the B.A. Special degree examination subject to above provision. Such candidates shall be eligible for a class, a prize, a scholarship, a medal or any other award.

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A candidate who has passed once the B.A. General or the B.A. Special degree examination of this University shall be permitted on the submission of fresh application and the payment of fresh fee to appear again at the B.A. degree examination.

- (1) In any number of courses for one or two papers for the B.A. General examinations subject to bias of the papers at the first year and provided he keeps four additional terms in the those subjects.
- (2) In the special papers, at the second year and third year or a special subject at the B.A. special examination in which he has not already passed the B.A. examination subject to bias of the subjects at the first year provided he selects at his special subject one of the general subjects he has offered at the B.A. general degree examination, and he keeps four additional terms for that special subject.

A candidate appearing under this regulation will not be eligible for a degree or a class or a prize or any other award. A candidate passing in this manner shall be awarded a certificate to that effect.

- (i) A candidate who has once passed the B.A. Degree examination of this University or an examination of any other statutory University or Examining Body recognized as equivalent thereof shall be allowed to appear again for the same examination provided he offers the subject different from those in which he has already passed and keeps four terms in a college affiliated to this University. Such candidate will be required to appear in a different subject or general subjects.

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- (ii) A candidate who takes the B.A. degree examination in accordance with the provisions stated (i) above, shall not be eligible for degree or class.
- (iii) The external candidates appearing for different subject/s optional papers are not required to keep the terms in the affiliated colleges. They are, however, required to register their names under above provision afresh for the respective years of examination.

No candidate shall be admitted to the First Year of B.A. external examination unless he—

1. has passed the H. S. C. Examination of the Maharashtra State Board or its equivalent examination.
2. has registered himself as an external candidate for the First Year of the B.A. Examination within the prescribed time limit without late fees and with late fees of the previous calendar year. No forms will be accepted in any case after the prescribed time limit.

A candidate receiving an official intimation of registration as an external candidate and wishing to appear for examination in the subject concerned must forward to the Registrar his application in the prescribed form together with the prescribed fee for admission to the examination on or before the prescribed date.

The courses of study, the syllabi and the standard for passing at the examination for the Degree of Bachelor of Arts External shall be identical with those for the examination for the degree of Bachelor of Arts but an external candidate

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shall not offer for his examination any subjects which involve practical work in a laboratory or keeping of journals or subjects notified by the Registrar at the beginning of each academic year.

The external candidates are required to appear for the annual examinations, the question paper will be of 100 marks.

EXTERNAL CANDIDATES

1. The registration as an external candidate for an examination shall be open to (a) those who are citizens of India and residing within India in the academic year in which they have applied for registration as an external student and have passed qualifying examination of this University or of any other statutory University or Body which (examination) has been recognized by the Pune University for the purpose of admission to its respective courses, (b) the medium of instructions shall be Marathi and English only, (c) candidates from outside Maharashtra State should produce at the time of registration an endorsement certificate about their residence in India and a certificate of service or carrying on business, from a Magistrate not below the rank of First Class Judicial Magistrate, (d) foreigners are not allowed to register their names for the external examinations of this University.

The candidates passing the B.Com. or B.Sc. examinations of this University or any other statutory University can be admitted to Second Year of B.A. Course. The results of such candidates will be declared on the basis of the performance at second and third year of the B.A. Course of this University.

Pattern of Examinations

(1) The examination question paper shall be framed so as to ensure that no part of the syllabus is left out of study by a student. (2) The question paper shall be balanced in respect of various topics outlined in the syllabus. (3) The question papers shall have combinations of short and long answer questions. No objective questions, however, be asked. (4) There shall be no over-all option in the question paper. Instead, there shall be internal option such as either-or; or “Three short answers out of five” etc.

The internal candidates of B.A. can change over and become the external candidates after passing the first year of second year of the said course fully without any backlog.

When such a candidate desires to register himself as an external student, he may apply accordingly to the University within the stipulated time and in the prescribed form.

The candidate who has completed first year or second year of B.A. as an external student shall not be registered/ admitted as an internal student for the remaining part of the course.

The student may offer optional English from Group J alone or in combination with one language from either Group B or Group C, he shall not offer under any circumstances more than two languages from Group B, C and J.

(1) COMPULSORY ENGLISH

Appendix

Group 'A'

पुणे विद्यापीठ

परिपत्रक क्र. १८०/२०००

विषय : प्रथम वर्ष कला वर्गाच्या इंग्रजी (सक्तीचे)

ह्या विषयासंबंधी.

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, प्रथम वर्ष कला वर्गाच्या इंग्रजी (सक्तीचे) ह्या विषयाच्या 'Developing your English' पुस्तकातील खालील भाग शैक्षणिक वर्ष जून २००० पासून वगळण्यात येत आहे :

Unit	-	3	-	Choice of crops for Improves Nutrition
Unit	-	4	-	Reading (Text B) Corrosive
Unit	-	5	-	Reading (Text A) Urban Villagers
Unit	-	7	-	Reading (Text B) Earthworm
Unit	-	8	-	Text B (Reading) Talking Runs Text A (Writing) Women and Man Do Think Differently
Unit	-	9	-	Reading (Text A) Habba Tehetoon
Unit	-	10	-	Reading (Text A) How Indians use English ?
Unit	-	3	-	Reading (Text B) -Choice or crops for improves Nutrition.

गणेशखिंड, पुणे-४११ ००७

जा. क्र. सीबीएन ३५९३

दिनांक : २४-५-२०००

सही x x x

कुलसचिवांकरिता

Appendix

पुणे विद्यापीठ

परिपत्रक क्र. १२/२०००

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, सध्या अस्तित्वात असलेले प्रथम वर्ष कला वर्गाचे इंग्रजी (सक्तीचे) 'Developing Your English' ह्या पुस्तकातील खालील भाग १९९९-२००० ह्या शैक्षणिक वर्षासाठी वगळण्यात येत आहे. तसेच हे पुस्तक शैक्षणिक वर्ष २०००-२००१ व २००१-२००२ ह्या वर्षासाठीही पुढे चालू ठेवण्यात येत आहे.

- Unit 3—Choice of crops for Improves Nutrition
Unit 4—Reading (Text B) Corrosive
Unit 5—Reading (Text A) Urban Villagers
Unit 7—Reading (Text B) Earthworm
Unit 8—Text B (Reading) Talking Runs
Text A (Writing) Women and Man do
Think Differently
Unit 9—Reading (Text A) Habba Tehetoon
Unit 10—Reading (Text A) How Indians Use
English?
Unit 3—Reading (Text B) —Choice or crops for
improves Nutrition.

गणेशखिंड, पुणे-४११ ००७

जा. क्र. सीबीए/८९२

दिनांक : ८-२-२०००

ना. म. कदम

कुलसचिवांकरिता

Group ‘ A ’
(1) COMPULSORY ENGLISH
(1993-94, 94-95, 95-96, & 96-97)

Books Prescribed

1. **F.Y.B.A. Compulsory English :**
(for the Academic year 1998-99, 1999-2000)
Developing your English by Dr. S. B. Gokhale and others, Frank Brothers Ltd. (1998) (Prepared under ODA Project).
2. Macmillan Grammar - A Hand book by A. E. Augustine and K. V. Joseph (Macmillan)
3. The Count of Monte Cristo by Alexandre Dumas; retold by Beatnine Conway (Macmillan).
1. An Anthology of popular Essays and Poems :
 - (a) The following items from the prose section only :
 1. Nathaniel Hawthorne - The Golden Touch
 2. Oscar Wilde - The Selfish Giant
 3. Tagore - The Postmaster
 4. R. K. Narayan - Sweet for Angels
 5. Jim Corbett - Lalajee
 6. James Thurber - Snapshat of a Dog
 7. E. V. Lucas - Tight Corners
 8. A. G. Gardiner - On the Rule of the Road
 2. Macmillan Grammar - Part I
The following Units only 1 to 10 and 15, 17 and Essay Writing.
 - (b) From the Poetry section, the following poems only are prescribed :
 1. John Milton - On His Blindness
 2. Oliver Goldsmith - The Village Schoolmaster
 3. Wordsworth - (i) The Daffodils
(ii) The Solitary Reaper

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4. P. B. Shelley : Ozymandias
 5. John Keats : (i) On First Looking into
Chapmans Homer
(ii) La Belle Dame Sans
Merci
 6. Lord Tennyson : (i) Ulysses
(ii) King Arthur's
Farewell
 7. Thomas Hardy : The Man He Killed
 8. Robert Frost : Stopping by Woods on
a Snowy Evening.
3. The Count of Monte Cristo - For Rapid Reading

Format for the Annual Examination question paper

Marks : 100, Questions : 5, Time : 3 Hours.

1. Explain with reference to the context any four (out of 7) based on the poetry section of Anthology of popular Essays and poems. (20)
 2. (a) Essay type question on the poetry section of an Anthology. (20)
- OR
- (b) Two short notes on the poetry section of an Anthology. (20)
 3. (a) Essay type question on the prose section of an Anthology. (20)
 - (b) Two short notes on the prose section of an Anthology. (20)
 4. (a) Essay type question on the Rapid Reader The Count of Monte Cristo. (20)
 - (b) Two short notes on The Count of Monte-Cristo. (20)
 5. (a) Essay Writing (12)
 - (b) Grammar (08)
 - (i) Do as directed
 - (ii) Correct the following

Format of the Question Paper

1. Passages for Reading Comprehension (20)
 - (a) Seen passage
 - (b) Seen passage
2. Passages for Reading Comprehension (20)
 - (a) Unseen passage
 - (b) Unseen passage
3. Textual Question (20)

(Two out of four questions to be answered)
4. Grammar : (15)

(Only contextualised grammar questions will be asked.)
5. Writing :
 - (a) A shorter piece of writing (10)

(Credit is given for the rough draft and one out of two questions to be answered.)
 - (b) A longer piece of writing (15)

(Credit is given for the rough draft and one out of two/three questions to be answered.)

The end of the year and term end examinations will test the students skills of reading and writing. Their skills of listening and speaking will be tested through their class work by means of continuous assessment.

Q. I & II : Reading Comprehension :

Four passages for comprehension will be given. Each passage carries 10 marks. Two of the passages will be seen passages from the text and there will be two unseen passages. The two unseen passages will illustrate two different types of writing : journalistic academic or literary. The questions will test both local and global comprehension. They will test the students, ability to interpret the text literally, understand the implied meanings, be able to interrelate factor offer a personal response and evaluate the point of view presented in the passage. There will also be questions based on vocabulary.

Q. III : Textual Question :

The question expects students to be able to interrelate two or more passages from the text and offer their own points of view. It will be similar to the questions that appear in the section of the text entitled 'Global questions' students will be asked to answer one out of two questions. The expected length of the answer will be 40 lines.

Q. IV : Grammar :

The aim of this question is to test students knowledge of functional grammar. Therefore, no isolated sentences will appear in the question paper.

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The questions will be contextualised. The grammar questions will be based on the topics specifically covered in the textbook and those covered in the second year of the junior college (Std. XII students will be given some choice in the grammar questions).

Q. V : Writing :

(a) The question expects students to prepare a relatively shorter piece of writing (about 20 lines). For example, a letter (formal or informals) a report for the newspaper and advertisement students will be given credit for preparing a rough draft.

(b) The question expects students to prepare a relatively longer piece of writing (about 40 lines) for example, descriptive, narrative or reflective composition, the review of a film, play or cultural activity and preparation of speech for a particular purpose. Both (a) and (b) above will be guided composition and they will be task oriented activities. There will be at least 50% choice for students in both (a) and (b).

Note : The format of the question paper covers all the items in the syllabus as reflected in textbook.

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(२) मराठी

पुरवणी पत्रिका
प्रथम वर्ष बी. ए. मराठी

पुणे विद्यापीठ
परिपत्रक क्र. १८२/२०००

विषय : प्रथम वर्ष ते तृतीय वर्ष बी. ए. मराठी विषयाचा
अभ्यासक्रम सुधारित करण्याबाबत.

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, प्रथम वर्ष बी. ए. ते तृतीय वर्ष बी. ए. विषयाचा अभ्यासक्रम खाली नमूद केल्यानुसार सुधारित करण्यात येत आहे.

प्रथम वर्ष बी. ए.	जून २००० पासून
द्वितीय वर्ष बी. ए.	जून २००१ पासून
तृतीय वर्ष बी. ए.	जून २००२ पासून

त्या अनुषंगाने प्रथम वर्ष बी. ए. (सामान्य स्तर) चा अभ्यासक्रम या परिपत्रकासोबत जोडला आहे.

गणेशखिंड, पुणे-४११ ००७

जा. क्र. सीबीए/३६०१

दिनांक : २८-६-२०००

ना. म. कदम
कुलसचिवांकरिता

(ता.क. : या संदर्भातील समक्रमांकाचे परिपत्रक रद्द समजण्यात याचे).

पुणे विद्यापीठ
बी. ए. प्रथम वर्ष मराठीचा अभ्यासक्रम
परिपत्रक क्र. १८२/२०००

अभ्यासक्रमाची उद्दिष्टे :

सामान्यस्तर :

१. बी. ए. १, २ व ३ पर्यंतच्या सामान्य स्तरावरील मराठी या विषयाचा अभ्यास करणाऱ्या विद्यार्थ्यांस स्थूलपणे मराठी साहित्य, मराठी भाषा आणि मराठी संस्कृती यांचा क्रमशः परिचय होणे.
२. साहित्यासंबंधी - विशेषतः मराठी साहित्यासंबंधी रुची निर्माण होणे.
३. विद्यार्थ्यांच्या वाङ्मयीन अभिरुचीचा विकास होणे.
४. आस्वाद घेण्याची डोळसक्षमता विकसित होणे.
५. साहित्याभ्यासातून जीवनविषयक समजही विकसित होणे.
६. मराठी साहित्यातील भिन्नभिन्न प्रवाह आणि प्रकार लक्षात घेणे.

बी. ए. प्रथम वर्ष : मराठी

सामान्य स्तर अभ्यासपत्रिका क्र. १

निबंधलेखन आणि आधुनिक साहित्य

- सत्र १. (अ) निबंधलेखन (वर्णनात्मक, चर्चात्मक, वैचारिक आणि ललित)
- (ब) कादंबरी/कथासंग्रह/नाटक/ललित गद्य यांपैकी एक पुस्तक
- सत्र २. (अ) प्रमाणभाषा लेखनाचे नियम.
- (ब) एका अर्वाचीन/आधुनिक कवींच्या कवितांचा संग्रह किंवा ५० ते ६० निवडक कवितांचे संपादन.

२००० पासून पुढील तीन वर्षांसाठी खालीलप्रमाणे अभ्यासक्रम राहिल

सत्र १. (अ) निबंधलेखन

(ब) नाटक : प्रेमा तुझा रंग कसा : वसंत कानेटकर.

सत्र २. (अ) प्रमाणभाषा लेखनाचे नियम.

(ब) तेजाची लेणी - संपा. पवार-सहस्रबुद्धे.

संदर्भ ग्रंथ

१. नाटक : एक चिंतन - वसंत कानेटकर, नीळकंठ प्रकाशन.
२. वाङ्मयीन निबंधलेखन : स्वरूप आणि साधने : रा. ग. जाधव.
३. निबंध : शास्त्र व कला - प्र. न. जोशी.
४. सुखात्मिकेचे साहित्य रूप - डॉ. सदा कऱ्हाडे.
५. शुद्धलेखन नियमावली : शासकीय प्रत.
६. मराठी व्याकरणाची मूलतत्त्वे : ग. ह. केळकर.
७. मराठीच्या प्रमाणभाषेचे स्वरूप - सुहासिनी लडू.
८. व्याकरणशुद्ध लेखनप्रणाली - सत्त्वशीला सामंत.

पुणे विद्यापीठ
परिपत्रक क्र. १७८/२००२

विषय : प्रथम वर्ष कला मराठी अभ्यासक्रम.

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत आहे की, प्रथम वर्ष कला वर्गाच्या मराठी विषयाच्या अभ्यासक्रमातील प्रथम सत्राच्या (कथा) अभ्यासक्रमासंदर्भातील लेखक व कथा यांची सोबत जोडण्यात आलेली सूची शैक्षणिक वर्ष २००२-२००३ पासून अमलात आणण्यात यावी.

तसेच असेही कळविण्यात येते की, प्रथम सत्रातील कथा, कविता ह्या अभ्यासपत्रिकेमध्ये एकूण १०० गुणांपैकी निबंधास १० गुण असतील. प्रथम सत्र कथा व द्वितीय सत्र कविता प्रत्येक सत्रास ४५ गुण असतील.

गणेशखिंड, पुणे-४११ ००७
जा. क्र. सीबीए/३०४८
दिनांक : १४. ६. २००२

लालसिंग वसावे
कुलसचिवांकरिता

पुणे विद्यापीठ
परिपत्रक क्र. १७८/२००२
शैक्षणिक वर्ष जून २००२ पासून पुढील वर्षासाठी
प्रथम वर्ष कला (मराठी)
मराठी सामान्य स्तर प्रश्न

१. अभ्यासाक्रमाचे शीर्षक : मराठी सामान्य स्तर प्रश्नपत्रिका क्र. १
(आधुनिक मराठी वाङ्मय)
२. अभ्यासक्रमाची उद्दिष्टे :
 १. सामान्य स्तरावरील 'मराठी' या विषयाचा अभ्यास करणाऱ्या विद्यार्थ्यांस स्थूलपणे मराठी साहित्य, मराठी भाषा आणि संस्कृती यांचा क्रमशः परिचय करून देणे.
 २. आधुनिक मराठी साहित्यातील विविध वाङ्मयप्रकारांचा परिचय घडविणे.
 ३. मराठी साहित्याबद्दल रुची विद्यार्थ्यांमध्ये निर्माण करणे.
 ४. विद्यार्थ्यांच्या वाङ्मयीन अभिरुचीचा विकास करणे.
 ५. वाङ्मयीन कलाकृतीचा आस्वाद घेण्याची डोळसक्षमता विकसित करणे.
 ६. साहित्याभ्यासातून जीवनविषयक दृष्टिकोण विकसित करणे.
३. अभ्यासक्रम घटक/उपघटक/विस्तार :
 १. प्रथम सत्र : (अ) निबंधलेखन (ललित, वर्णनात्मक, चर्चात्मक, वैचारिक)
(ब) नाटक/कथासंग्रह/कादंबरी/ललित यांपैकी एक पुस्तक

२. द्वितीय सत्र : एका अर्वाचीन/आधुनिक कवींच्या कवितांचा संग्रह
किंवा ३०-४० निवडक कवितांचे संपादन
४. सन २००२ पासून पुढील तीन वर्षांसाठी खालीलप्रमाणे क्रमिक पुस्तके नेमण्यात येत आहेत :
- प्रथम सत्र : (अ) निबंधलेखन
(ब) कथासंग्रह : पुणे विद्यापीठ
- द्वितीय सत्र : काव्यसंग्रह : पुणे विद्यापीठ

संदर्भग्रंथ सूची :

१. प्रदक्षिणा : संपादक - रा. श्री. जोग (काँटिनेंटल)
२. ग्रामीणता : साहित्य आणि वास्तव : आनंद यादव
३. ग्रामीण साहित्य : स्वरूप आणि समस्या : आनंद यादव
४. ग्रामीण साहित्य स्वरूप व शोध : डॉ. नागनाथ कौत्तापल्ले
५. दलित वाङ्मय प्रेरणा व प्रवृत्ती : शंकरराव खरात
६. दलित कथेचा विकास : डॉ. प्रकाश कुंभार
७. ग्रामीण कथा-स्वरूप : डॉ. वासुदेव मुलाटे
८. मराठी दलित कथा : डॉ. अविनाश डोळस
९. पाच कथाकार : संपा. वि. स. खांडेकर
१०. आधुनिक मराठीचा इतिहास, खंड १ व २ : अ. ना. देशपांडे

निबंधलेखनासाठी संदर्भपुस्तके :

१. निबंध : शास्त्र व कला : प्र. न. जोशी (विदर्भ मराठवाडा बुक कंपनी)
२. वाङ्मयीन निबंधलेखन : स्वरूप व साधने : प्रा. रा. ग. जाधव (काँटिनेंटल प्रकाशन, पुणे)

प्रथम वर्ष कला
मराठी सामान्य स्तर प्रश्न
प्रश्न

एकूण गुण : १००

- प्र. क्र. १. निबंधलेखन (५०० शब्द)
एकूण चार विषय द्यावेत.
एक विषय ललित असावा, अन्य ३ सामाजिक, सांस्कृतिक,
वाङ्मयीन स्वरूपाचे असावेत. गुण १०
- प्र. क्र.२. वाङ्मयप्रकार : नेमलेल्या वाङ्मयप्रकारातील दीर्घोत्तरी प्रश्न
(अंतर्गत पर्यायासह) असावा. गुण २०
- प्र. क्र.३. लघूत्तरी प्रश्न (टीपा लिहा)
दोन टीपा लिहिणे आवश्यक/चार विषय द्यावेत. गुण २०
- प्र. क्र.४. आधुनिक काव्य : नेमलेल्या कवितासंग्रहावर दीर्घोत्तरी प्रश्न
(अंतर्गत पर्यायासह)
अभ्यासलेल्या कवितांच्या आधारे कवीचे व्यक्तिमत्त्व, कवितांची
वैशिष्ट्ये, आशय, अभिव्यक्ती, भाषाशैली इ. अभ्यासघटकांवर
प्रश्न असावेत. गुण २०
- प्र. क्र. ५. टीपा : कवितासंग्रहातील दोन विषयांवर टीपा लेखन
एकूण चार विषय द्यावेत. गुण २०
- प्र. क्र. ६. लघूत्तरी प्रश्न
कवितासंग्रहातील कोणत्याही दोनपैकी एका कवितेचे रसग्रहण
अथवा कवितेची मध्यवर्ती कल्पना सांगून सौंदर्य उलगडून
दाखविणे. गुण १०

Group 'B'
(A) MODERN INDIAN LANGUAGE
(२) मराठी

शैक्षणिक वर्ष अभ्यासक्रमाची पुनर्मांडणी
प्रथम वर्ष साहित्य
मराठी - (सामान्य स्तर) - प्रश्न
अभ्यासक्रमाचे उद्दिष्ट

आधुनिक मराठी साहित्यातील विविध वाङ्मयप्रकारांचा परिचय घडविणे, त्यांचे आकलन करून घेणे व वाङ्मयाबद्दलची अभिरुची जागृत होऊन कलाकृतीचा आस्वाद घेण्याची क्षमता निर्माण करणे.

१. (अ) निबंधलेखन - वर्णानात्मक, चर्चात्मक, वैचारिक, ललित
(आ) साहित्यप्रकार - नाटक (सुखात्मिका)
२. आधुनिक काव्य - १९२० नंतरच्या काळातील मराठी कविता (हा काव्यसंग्रह सुमारे ५० कवितांचा व शक्य झाल्यास दोन ते तीन कवींच्या कवितांचा संपादित असावा).

संदर्भ पुस्तके

(अ) निबंधलेखन :

१. निबंध : शास्त्र व कला : जोशी, प्र. न.
विदर्भ मराठवाडा बुक कंपनी
२. वाङ्मयीन निबंधलेखन : स्वरूप व साधने : जाधव, रा. ग.,
कॉटिनेंटल प्रकाशन, पुणे.

(आ) साहित्यप्रकार : नाटक (सुखात्मिका)

१. तुज आहे तुजपाशी : पु. ल. देशपांडे
२. आधुनिक काव्य : "सौंदर्योत्सव"
संपादक गो. म. कुलकर्णी.

मराठी

प्रथम वर्ष कला वर्गाच्या मराठी विषयाच्या अभ्यासक्रमाचे संदर्भ ग्रंथ, नाटक - सुखात्मिका - (तुझे आहे तुजपाशी) या साहित्य प्रकारासाठी खालील संदर्भ ग्रंथ नेमण्यात आलेले आहेत :

- (१) नाटक एक चिंतन : प्रा. वसंत कानेटकर, नीलकंठ प्रकाशन, पुणे.
- (२) स्वातंत्र्योत्तर मराठा - नाटक : डॉ. वि. भा. देशपांडे, व्हीनस प्रकाशन, पुणे.
- (३) अमृतसिद्धी : संपादक - स. ह. देशपांडे च मंगला गोडबोले, राजहंस प्रकाशन, पुणे.

पर्यायी अभ्यासक्रम

व्यावहारिक व उपयोजित मराठी - प्रथम वर्ष साहित्य

उद्दिष्टे :

१. संज्ञापनातील भाषेची भूमिका, विविध भाषिक आविष्करांचे स्वरूप समजावून घेणे. भाषिक कौशल्ये, क्षमता विकसित करणे.
२. भाषिक कौशल्याचे विविध आविष्कार आणि संपर्कमाध्यमे यांचा परस्परसंबंध समजावून घेणे व उपयोजन करणे.
३. मराठीचा कार्यालयीन/व्यावसायिक कामकाजात होणारा वापर, गरज व स्वरूपविशेषांची माहिती करून घेणे.
४. कार्यालयीन/व्यावसायिक भाषा व्यवहारासाठी आवश्यक लेखन-कौशल्याचे संपादन व उपयोजन करणे.

अभ्यासक्रम - पहिली सहामाही

१. जीवनव्यवहारातील भाषेचे स्थान - भाषा म्हणजे काय? विविध क्षेत्रांतील भाषाव्यवहाराची ओळख.

२. भाषिक कौशल्ये-प्राथमिक (श्रवण, भाषण, संभाषण, लेखन, वाचन) – प्रगत (भाषांतर, सारांशलेखन),
३. निबंधलेखन-(वर्णनात्मक, चर्चात्मक, ललित)
दिलेल्या विषयावर विशिष्ट शब्दसंख्येचा निबंध लिहिणे).
४. सारांशलेखन-स्वरूप, महत्त्व
तारेचा मजकूर तयार करणे, घोषवाक्य तयार करणे, शीर्षक देणे, दिलेल्या संवादाचा संक्षेप करणे, संवादाचा विस्तार, वाक्-प्रचाराचे उपयोजन, शब्दप्रयोजन (अनेक शब्दांसाठी एक शब्द, दोन कल्पनांचे एकत्रीकरण, समास, संधी इ.)
दिलेल्या उताऱ्याचे आकलन व सारांशलेखन.

दुसरी सहामाही

५. संवादलेखन -
विविध प्रसंगी होणारे संवाद, सुचविलेल्या प्रसंगावर आधारित संवादलेखन.
६. भाषांतर -
भाषांतर म्हणजे काय? भाषांतर शास्त्र की कला? भाषांतराची आवश्यकता, भाषांतर करताना येणाऱ्या अडचणी, भाषांतर आणि रूपांतर (लक्षनिष्ठ आणि मूलनिष्ठ भाषांतर).
७. शुद्धलेखन, मुद्रितशोधन -
शुद्धलेखनाची संकल्पना, मराठीतील लेखनविषयक नियम, मुद्रित-शोधनाची गरज, तंत्र व चिन्हे.
८. परिभाषा -
आवश्यकता, विविध क्षेत्रांतील पारिभाषिक शब्दांची ओळख, वर्गीकरण.

स्वाध्याय

१. शाळा, महाविद्यालये, न्यायालये, दवाखाने, बसस्थानक, उपाहारगृहे, औद्योगिक संस्था, सामाजिक संस्था, कृषी उत्पन्न बाजार समिती, शेअर बाजार, पोलीस स्टेशन, इत्यादी व्यवहारक्षेत्रांत वारंवार वापरल्या शब्दांची सूची तयार करणे.
२. साक्षरता, कुटुंबकल्याण, राष्ट्रीय एकात्मता, व्यसनमुक्ती, वनसंवर्धन व पर्यावरण संरक्षण, वाहतूक सुरक्षा, इत्यादी विषयांवर उपलब्ध असलेल्या घोषवाक्यांचे संकलन करणे.
३. वेगवेगळ्या विषयांवर झालेल्या भाषणांची टिपणे काढणे.
४. दूरध्वनीवरील संभाषणाचा सराव करणे.
५. तारेचे नमुने गोळा करणे.

संदर्भ पुस्तके :

- | | | |
|--|-------------------------------|---------------------------------|
| १. निबंध शास्त्र व कला | जोशी, प्र. न. | विदर्भ मराठवाडा
बुक कंपनी |
| २. मराठी शुद्धलेखन प्रदीप | वाळिंबे, मो. रा. | गो. य. राणे
प्रकाशन |
| ३. प्रथमवर्ष वाणिज्य व
द्वितीयवर्ष विज्ञान
व्यावहारिक मराठी
पाठ्यपुस्तक | | पुणे विद्यापीठ
प्रकाशन |
| ४. व्यावहारिक मराठी | काळे कल्याण,
पुंडे, द. दि. | निराली प्रकाशन |
| ५. व्यावहारिक मराठी | नसिराबादकर ल. रा. | फडके प्रकाशन |
| ६. मुद्रितशोधन | धायगुडे, य. ए. | दी पूना प्रेस ओनर्स
असोसिएशन |

७. मराठी भाषेची संवाद-कौशल्ये यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ प्रकाशन, नाशिक
८. भाषा अंतःसूत्र पानसे, मु. ग. म. सा. प. प्रकाशन पुणे. आणि व्यवहार
९. भाषा, मातृभाषा, परभाषा सराफ, रा. सां.

प्रथम वर्ष कला (सामान्यस्तर)

१. निबंधलेखन-(चारपैकी एका विषयावर, एक विषय ललित असावा. अन्य तीन सामाजिक, सांस्कृतिक, वाङ्मयीन स्वरूपाचे असावेत. गुण २०
२. वाङ्मयप्रकार - नेमलेल्या वाङ्मयप्रकारातील साहित्यकृतींवर दीर्घोत्तरी प्रश्न (अंतर्गत पर्यायासह) असावा. गुण २०
३. लघूत्तरी प्रश्न - टीपा - दोन टीपा लिहिणे आवश्यक ४ विषय द्यावेत. गुण २०
४. आधुनिक काव्य-नेमलेल्या कवितासंग्रहावर दीर्घोत्तरी प्रश्न (अंतर्गत पर्यायासह) अभ्यासलेल्या कवितांच्या आधारे कवीचे व्यक्तिमत्त्व, कवितांची वैशिष्ट्ये, आशय, अभिव्यक्ती, भाषाशैली इत्यादी अभ्यासाघटकांवर प्रश्न असावेत. गुण २०
५. लघूत्तरी प्रश्न -
(अ) कवितासंग्रहातील दोनपैकी एका विषयावर टीपा गुण १०
(ब) संग्रहातील कोणत्याही दोनपैकी एका कवितेचे रसग्रहण अथवा कवितेची मध्यवर्ती कल्पना सांगून सौंदर्य उलगडून दाखविणे. गुण १०

प्रथम वर्ष कला : व्यावहारिक व उपयोजित मराठी

(पर्यायी अभ्यासक्रम) - प्रश्नपत्रिकेचे स्वरूप

गुण विभागणी -

१. जीवनव्यवहारातील भाषेचे स्थान -
भाषिक कौशल्ये
(या दोन्हीपैकी कोणत्याही एका घटकावर प्रश्न विचारला जाईल.
विवेचनात्मक उत्तर अपेक्षित, अंतर्गत पर्याय द्यावा). गुण २०
२. निबंधलेखन गुण २०
३. सारांश लेखन-स्वरूप, महत्त्व
(उपयोजित स्वरूपाची उत्तरे अपेक्षित, अंतर्गत पर्याय द्यावेत)
गुण २०
४. संवादलेखन
भाषांतर गुण २०
५. शुद्धलेखन, मुद्रितशोधन (उपयोजित स्वरूप)
परिभाषा गुण २०

(3) GUJARATHI

प्रथम वर्ष कलासाठी गुजराथी विषयाचे खाली नमूद केलेले पाठ्यपुस्तक शैक्षणिक वर्ष १९९७ ते १९९९ पर्यंत चालू राहिल :

(१) एफ.वाय.बी.ए : माणसाईना दीवा – लेखक : झवचंद मेघाणी.

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(4) URDU

UNIVERSITY OF PUNE

Circular No. 203 of 2002

Sub. : **Revision of Syllabus in Urdu at various examinations.**

It is hereby notified for the information of all concerned that, the University Authorities have revised below :
The syllabus of subject Urdu as mentioned (1) F.Y.B.A. (2) F.Y.B.Com. (3) S.Y.B.A. (General Paper II), Special Paper-I, Special Paper-II (4) T.Y.B.A., (General Paper-III), Special Paper-III, Special Paper-IV and M.A. Part-I and II.

The revised syllabus as enclosed in the Appendix.

The above decision will come into force from Academic Year 2002-2003.

Ganeshkhind, Pune-7
Ref. No. : CBA/ 3085
Date : 14-6-2002.

L. F. Vasave
for Registrar.

URDU

(2002-2003, 2003-2004, 2004-2005)

Text Prescribed :

(I) POETRY : BANG-E-DARA-Part-I by Dr. Iqbal.

The following Poems to be studied :

- (1) HIMALA
- (2) GUL-E-RANGEEN
- (3) MIRZA GHALIB
- (4) AFTAB
- (5) INSAN AUR BAZM-E-QUDRAT
- (6) PAYAM-E-SUBHA
- (7) ZOHAD-O-RINDI
- (8) DIL
- (9) RUKHSAT-AE-BAZME JAHAN
- (10) NALA-E-FIRAQ
- (11) NAYA SHIVALA
- (12) ILTEJA-E-MUSAFIR.

(II) (i) Premchand Ke Numainda Afsane

— Quamar Raees.

Edited by—Educational Book House, Aligarh.

First Seven Afsane.

(ii) Chand Hamasar—by Molvi Abdul Haq.

(A) Portion for the Term-End Examination.

(Bang-e-Dara Part-I (Poem as given above)).

Total Marks : 60 (Two hours duration).

No. of Questions - 4 (with internal choice).

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Pattern of Question Paper

- | | | |
|-------|--|----------|
| (i) | Critical Question on the text or author. | 15 Marks |
| (ii) | Appreciation or Central idea of a poem from the text. | 15 Marks |
| (iii) | Explanation of the Couplets with reference to context. | 15 Marks |
| (iv) | Critical appreciation on Unseen Poem. | 15 Marks |

Total 60 Marks

(B) Portion for the Annual Examination

Portion as prescribed above.

Total Marks-100 (Three hours duration).

No. of questions-6 (with internal choice).

Pattern of Question Paper

- | | | |
|----|--|----------|
| 1. | Critical question on text or poet (Bang-e-Dara). | 15 Marks |
| 2. | Appreciation OR Central idea of poem from the text. | 15 Marks |
| 3. | Explanation of the Couplets with reference to Context (Five out of Seven). | 15 Marks |
| 4. | Critical appreciation of Short Story. | 15 Marks |
| 5. | Critical appreciation of a Khaka from the text. | 15 Marks |
| 6. | (a) Idioms | 5 Marks |
| | (b) Prefixes and Suffixes | 5 Marks |
| | (c) Essay on general topic | 15 Marks |

Total 100 Marks

(5) SINDHI

Sahit Sugandh (Prose and Poetry)

Edited by Prof. I. T. Jotwani and Prof. Dayal Asha,
Published at L. K. Dhameja, Saraswati Sahit Sadan, Block
No. 1974, Ulhasnagar-5.

Portion for the Term End Examination :

1. Prose : Lesson Nos 1-12.
2. Poetry : Poems from 1-13.
3. Essay Writing

Portion for the Annual Examination :

1. Prose : Lesson Nos. 11-20.
2. Poetry : Poems from 14 to 21
3. Precis Writing.
4. Translation from English to Sindhi.

Note : The Prescribed text-book is available in Arabic Script only. However the students are given the choice to write in both the scripts i.e. Deonagari and Arabic. The question paper also will be set in both the scripts.
No question reference to context will be set.

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(६) हिंदी

Appendix

पुणे विद्यापीठ

परिपत्रक क्र. १८३/२००२

विषय : प्रथम वर्ष कला हिंदी सामान्य - १ या अभ्यासक्रमाबाबत.

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत आहे की, प्रथम वर्ष कला या परीक्षेच्या हिंदी सामान्य - १ या विषयाचा सोबत जोडण्यात आलेला अभ्यासक्रम शैक्षणिक वर्ष २००२-२००३ पासून सुधारित करण्यात येत आहे.

गणेशखिंड, पुणे-४११ ००७

जा. क्र. : सीबीए/३०९१

दिनांक : १४-६-२००२

लालसिंग वसावे

कुलसचिवांकरिता.

पुणे विश्वविद्यालय

परिपत्रक क्र. १८३/२००२

प्रथम वर्ष, साहित्य (हिंदी : सामान्य - १)

(शैक्षणिक वर्ष : २००२-२००३, २००३-२००४ तथा २००४-२००५)

(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान आयोग, नई दिल्ली की 'मॉडल पाठ्यचर्या' के आलोक में किया गया है।)

उद्देश्य :

१. हिंदी में प्रतिनिधि गद्यकारों एवं कवियों से छात्रों को परिचित कराना।
२. छात्रों में हिंदी साहित्य के प्रति अभिरुचि संवर्धित करना।
३. छात्रों को शुद्ध हिंदी लेखन के ज्ञान एवं नियमों से परिचित कराना।
४. छात्रों का हिंदी भाषा का श्रवण, पठन, लेखन कौशल बढ़ाना।
५. छात्रों को पारिभाषिक शब्दावली के माध्यम से प्रयोजनमूलक हिंदी के स्वरूप से परिचित कराना।

अध्यापन पद्धति :

१. व्याख्यान तथा विश्लेषण
२. छात्रों से गद्य एवं काव्य का भावानुसार पठन
३. कल्पना-विस्तार के विषयों की चर्चा एवं लेखन
४. स्वाध्यायों द्वारा अनुवाद, निबंध लेखन
५. ग्रंथालयों में संबंधित लेखकों, कवियों की मौलिक कृतियों से छात्रों का परिचय।

पाठ्यपुस्तके :

- (9) गद्य-निकष : संपादक : प्रेमशंकर मिश्र
प्रकाशक : जय भारती प्रकाशन, लालजी
मार्केट, माया प्रेस रोड, २५८/
३६५, मुट्ठी गंज, इलाहाबाद-३,
संस्करण : द्वितीय, १९९६

केवल निम्नलिखित पाठ :

- | | |
|-----------------------------------|--------------------------------|
| (१) मुक्तिमार्ग | — प्रेमचंद |
| (२) शरणदाता | — अज्ञेय |
| (३) दिल्ली में एक मौत | — कमलेश्वर |
| (४) ठेस | — फणीश्वर नाथ रेणु |
| (५) जिन्दगी और जोंक | — अमरकान्त |
| (६) भोलाराम का जीव | — हरिशंकर परसाई |
| (७) कुटज | — आचार्य हजारी प्रसाद द्विवेदी |
| (८) ताजमहाल | — भगवत शरण उपाध्याय |
| (९) मन | — आचार्य शिवपूजन सहाय |
| (१०) कला में व्यक्तित्व और चरित्र | — रामधारी सिंह 'दिनकर' |
| (११) घीसा | — महादेवी वर्मा |
| (१२) दीनबन्धु ऐण्ड्रूज | — बनारसीदास चतुर्वेदी |

- (२) काव्य सुरभि : संपादक : डॉ. सत्यप्रसाद मिश्र
प्रकाशक : ज्योति प्रकाशन, 'मानसी' १६/३,
हेस्टिंग्स रोड, इलाहाबाद-१,
संस्करण : प्रथम, २०००

केवल निम्नलिखित कविताएँ :

- | | | |
|---|---|--|
| (१) मैथिलीशरण गुप्त | — | कैकयी का अनुताप |
| (२) जयशंकर प्रसाद | — | श्रद्धा का उद्बोधन |
| (३) सुमित्रानंदन पंत | — | प्रथम रश्मि |
| (४) सूर्यकांत त्रिपाठी 'निराला' | — | वीणावादिनी वर दे। |
| (५) सच्चिदानन्द हीरानन्द
वात्स्यायन 'अज्ञेय' | — | हरा भरा है देश |
| (६) गजानन माधव मुक्तिबोध | — | जन-जन का चेहरा एक |
| (७) शिवमंगल सिंह 'सुमन' | — | मेरा देश जल रहा,
कोई नहीं बुझाने वाला |
| (८) नागार्जुन | — | कालिदास |
| (९) नरेश मेहता | — | इतिहास का स्वर्ण-युग |
| (१०) रघुवीर सहाय | — | अकाल |
| (११) केदारनाथ सिंह | — | सुखी आदमी |
| (१२) अशोक वाजपेयी | — | यह समय है |

पाठ्यपुस्तकेतर पाठ्यक्रम :

(क) वाक्य शुद्धीकरण

(ख) कम्प्यूटर : -

- (१) कम्प्यूटर की जानकारी-परिचय
- (२) कम्प्यूटर की विशेषताएँ — अपने आप कार्य, तीव्र गति, अचूक कार्य पद्धति, सातत्य, स्मरणशक्ति, कम जगह में अधिक जानकारी एकत्रित करने की क्षमता, बहुआयामी, विश्वसनीयता, सूक्ष्म आकार, विचारशून्यता

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- (३) कम्प्यूटर का कार्यक्षेत्र-विज्ञान, अंतरिक्ष, रक्षा विभाग बैंक, चिकित्सा, व्यापार, विज्ञापन, छपाई, हवाई जहाज, रेल, पत्राचार, शिक्षा, कल-कारखाने, तकनीकी विभाग, भूशास्त्र, कार्टून फिल्म, बुद्धिवर्धक आकर्षक खेल आदि।
- (४) कम्प्यूटर की आवश्यक इकाइयाँ-मॉनिटर, सिस्टिम यूनिट, की बोर्ड (कुंजी पटल)
- (५) इ मेल-सामान्य परिचय
- (६) इंटरनेट-सामान्य परिचय
- (ग) पारिभाषिक शब्दावली (सूची संलग्न)
- (घ) कल्पना-विस्तार (सूची संलग्न)
- (च) अनुवाद (अंग्रेजी/मराठी से हिंदी)

पारिभाषिक शब्दावली

A

- | | |
|-----------------------|------------------|
| (1) Accommodation | — आवास |
| (2) Account | — लेखा |
| (3) Acknowledgement | — पावती |
| (4) Action | — कारवाई |
| (5) Advance | — पेशगी, अग्रिम |
| (6) Advice | — परामर्श, सलाह |
| (7) Affidavit | — शपथ पत्र |
| (8) Agenda | — कार्य सूची |
| (9) Applicable | — प्रयोज्य, लागू |
| (10) Appointment | — नियुक्ति |
| (11) Approval | — अनुमोदन |

B

- (12) Budget — आय-व्ययक, बजट
(13) Balance — बाकी, शेष

C

- (14) Clarification — स्पष्टीकरण
(15) Confirmation — पुष्टि
(16) Conveyance Allowance — वाहन भत्ता
(17) Cadre — संवर्ग, काडर
(18) Casual — आकस्मिक
(19) Category — वर्ग, श्रेणी
(20) Charge Sheet — आरोप पत्र
(21) Cash — रोकड
(22) Capital — पूँजी
(23) Concession — रियासत, छूट
(24) Condition — शर्त
(25) Confidential — गोपनीय
(26) Correspondence — पत्राचार, पत्र-व्यवहार

D

- (27) Duplicate — अनुलिपि, दूसरी प्रति
(28) Duration — अवधि
(29) Delay — विलंब, देरी
(30) Delivery — वितरण
(31) Deputation — प्रतिनियुक्ति
(32) Despatch — प्रेषण
(33) Disciplinary Action — अनुशासनिक कार्रवाई

E

- (34) Entry — प्रविष्टि, इंदराज, प्रवेश
(35) Expert — विशेषज्ञ
(36) Effective — लागू, प्रभावी
(37) Emergency — आपात स्थिती
(38) Employee — कर्मचारी
(39) Enclosure — अनुलग्नक
(40) Explanation — स्पष्टीकरण
(41) Employment — रोजगार
(42) Expenditure — व्यय, खर्च
(43) Eligibility — पात्रता

F

- (44) File — फाइल, मिसिल
(45) Form — प्रपत्र
(46) Formal — औपचारिक
(47) Fund — निधि
(48) Freight — भाड़ा

G

- (49) Goods — माल
(50) Grant — अनुदान

H

- (51) Honorarium — मानदेय
(52) Head — प्रधान, शीर्ष

F.Y.B.A. / 50

I

- (53) Increment — वेतन वृद्धि
(54) Instruction — अनुदेश, हिदायत
(55) Immediate — तत्काल, अविलंब
(56) Incharge — प्रभारी
(57) Interview — साक्षात्कार

J

- (58) Job — नौकरी
(59) Joining — कार्यग्रहण

L

- (60) Leave — छुट्टी, अवकाश
(61) Lien — लियन, पुनर्ग्रहण अधिकार
(62) Lumpsum — एकमुश्त

M

- (63) Medical Leave — चिकित्सा छुट्टी
(64) Mail — डाक
(65) Maintenance — अनुरक्षण, रख रखाव
(66) Memorandum — ज्ञापन

N

- (67) Necessary Action — आवश्यक कार्रवाई
(68) No Objection Certificate — अनापत्ति प्रमाण पत्र

O

- (69) Officiating — स्थानापन्न
(70) Option — विकल्प

P

- (71) Proposal — प्रस्ताव
(72) Part-time — अंशकालिक
(73) Passport — पारपत्र
(74) Penalty — दंड, अर्थदंड
(75) Permanent — स्थायी
(76) Policy — नीति
(77) Promotion — प्रोन्नति, पदोन्नति, तरक्की
(78) Provision — उपबंध, व्यवस्था, प्रावधान
(79) Project — परियोजना

Q

- (80) Qualification — अर्हता, योग्यता

R

- (81) Reference — संदर्भ, निर्देश, हवाला
(82) Remuneration — पारिश्रमिक
(83) Renewal — नवीनीकरण
(84) Revenue — राजस्व
(85) Registration — पंजीकरण

S

- (86) Salary — वेतन
(87) Sanction — मंजूरी, स्वीकृति
(88) Scrutiny — संवीक्षा, छानबीन
(89) Store — भंडार

T

- (90) Tour — दौरा
(91) Temporary — अस्थायी
(92) Transfer — स्थानांतरण

U

- (93) Unit — एकक
(94) Up-to-date — अद्यतन
(95) Valid — मान्य, लागू
(96) Verification — सत्यापन

W

- (97) Wing — स्कंध
(98) Witness — साक्षी, गवाह

Z

- (99) Zone — अंचल, क्षेत्र

(घ) कल्पना विस्तार

१. अपमान का जीवन मृत्यु से भी बुरा होता है।
२. अज्ञान जैसा दूसरा शत्रु नहीं है।
३. अपना हाथ जगन्नाथ।
४. आवश्यकता आविष्कार की जननी है।
५. इलाज से बचाव अच्छा।

६. उतने पाँव पसारिये, जितनी चादर होय।
७. अंत भला, तो सब भला।
८. कबीरा सोई पीर है, जो जाने पर पीर।
९. गया वक्त फिर नही आता।
१०. घर का जोगी जोगना, आन गाँव का सिद्ध।
११. चिंता चिता समान है।
१२. जब आवत संतोष धन
१३. जब तक साँस, तब तक आस।
१४. जहाँ चाह, वहाँ राह।
१५. जितना धन, उतनी चिंता।
१६. दुख भोगे बिना सुख कहाँ।
१७. धन को धन कमाता है।
१८. पराधीन सपनेहुं सुख नाहि।
१९. परिश्रम कभी व्यर्थ नहीं जाता।
२०. बुरी संगत से अकेला भला।
२१. बेड़ी सोने की भी बुरी।
२२. बूँद बूँद से तालाब भर जाता है ।
२३. भावना से कर्तव्य ऊँचा है।

२४. मन के हारे हार है, मन के जीते जीत।
२५. मज़हब नहीं सिखाता आपस में बैर रखना।
२६. मेल से बल है।
२७. यथा राजा तथा प्रजा।
२८. यत्र नार्यस्तु पूज्यन्ते, रमन्ते तत्र देवता।
२९. रूप को अलंकार की आवश्यकता नहीं।
३०. लड़ाई मौत का त्योहार है।
३१. लालच बुरी बला है।
३२. वही मनुष्य है कि जो मनुष्य के लिए मरे।
३३. सब्र का फल मीठा होता है।
३४. सादा जीवन उच्च विचार।
३५. साहित्य समाज का दर्पण।

संदर्भ ग्रंथ :

- (१) देवनागरी लिपि तथा हिंदी वर्तनी का मानकीकरण—केंद्रीय हिंदी निदेशालय, नई दिल्ली
- (२) व्यावहारिक हिंदी, भाग १ व २ – ओमप्रकाश सिंहल और तिलकराज बडेहारा
- (३) हिंदी व्याकरण और रचना (भारती भवन, पटना) – वासुदेव नंदन प्रसाद
- (४) व्यावहारिक हिंदी (तक्षशिला प्रकाशन, दरिया गंज, नई दिल्ली) – कैलाशचंद्र भाटिया
- (५) कम्प्यूटर और हिंदी (तक्षशिला प्रकाशन, दरिया गंज, नई दिल्ली)— डॉ. हरिमोहन

- (६) कम्प्यूटर प्रवेशिका (तक्षशिला प्रकाशन, दरिया गंज, नई दिल्ली)-
उषा खुराना
- (७) कम्प्यूटर के भाषिक अनुप्रयोग (वाणी प्रकाशन, दरिया गंज, नई दिल्ली) – विजयकुमार मल्होत्रा
- (८) कम्प्यूटर सीखे अपने आप (नेट कॉम इंडिया प्रकाशन, नई दिल्ली)
- (९) इंटरनेट (नेट कॉम इंडिया प्रकाशन, नई दिल्ली)
- (१०) प्रारम्भिक कम्प्यूटर शिक्षा - भाग १, २, ३ (वाणी प्रकाशन, दरिया गंज, नई दिल्ली) – राम बंसल 'विज्ञाचार्य'
- (११) कम्प्यूटर परिचालन तत्त्व (प्रभात प्रकाशन, नई दिल्ली) – राम बंसल 'विज्ञाचार्य'
- (१२) कम्प्यूटर संचार सूचना-पत्रिका (संवाद परिक्रमांक, करोल बाग, नई दिल्ली) – संपादक : हरिशंकर व्यास

अंकविभाजन तथा प्रश्न

(१) अंकविभाजन

(क) गद्य पाठ	–	३० अंक
(ख) पद्य	–	३० अंक
(ग) पाठ्यपुस्तकेतर पाठ्यक्रम	–	
(१) वाक्य शुद्धीकरण	–	०८ अंक
(२) कम्प्यूटर पर टिप्पणियाँ	–	१२ अंक
(३) पारिभाषिक शब्दावली	–	१० अंक
(४) कल्पना विस्तार	–	०५ अंक
(५) अनुवाद	–	०५ अंक

कुल १०० अंक

(२) प्रश्न

१. गद्य पाठों पर प्रश्नों के उत्तर (६ में से ४) – २० अंक
२. कविताओं पर प्रश्नों के उत्तर (६ में से ४) – २० अंक
३. (अ) गद्य पाठों पर अवतरणों की ससंदर्भ – १० अंक
व्याख्या (४ में से २)
(आ) कविताओं पर अवतरणों की ससंदर्भ – १० अंक
व्याख्या (४ में से २)
४. (अ) वाक्य शुद्धीकरण (१० में से ०८) – ०८ अंक
(आ) कम्प्यूटर पर टिप्पणियाँ (५ में से ३) – १२ अंक
५. (अ) पारिभाषिक शब्दावली (१२ में से १०) – १० अंक
(आ) कल्पना विस्तार (५ में से १) – ०५ अंक
(इ) मराठी अथवा अंग्रेजी परिच्छेद – ०५ अंक
का हिंदी में अनुवाद

कुल १०० अंक

पुणे विश्वविद्यालय
प्रथम वर्ष, साहित्य

हिंदी : सामान्य -9 (वैकल्पिक पाठ्यक्रम)
प्रयोजनमूलक हिंदी

(प्रस्तुत पाठ्यक्रम का निर्माण विश्वविद्यालय अनुदान
आयोग, नई दिल्ली की 'मॉडल पाठ्यचर्या' के आलोक में
किया गया है)

उद्देश्य :

1. छात्रों को हिंदी की मान लिपि और अंकलेखन की नियमावली की जानकारी देना।
2. हिंदी के शब्द भेद, वर्तनी के नियम, कारक, लिंग, वचन, हिंदी शब्दावली, पारिभाषिक शब्दावली, वाक्यांश आदि की जानकारी देना।
3. हिंदी भाषा के कार्यालयीन रूपों एवं व्यवहार से छात्रों को अवगत कराना।
4. हिंदी-अभिव्यक्ति का कौशल बढ़ाने के लिए सारलेखन, संक्षेपण, निबंध, कल्पना विस्तार के लेखन की जानकारी एवं उदाहरण देना।
5. मराठी एवं अंग्रेजी से हिंदी में अनुवाद की क्षमता विकसित करने के लिए अनुवाद की सोदाहरण जानकारी देना।

अध्यापन पद्धति :

१. फलक लेखन-नियम-उदाहरण, वर्गीकरण-आलेख, पत्रों के प्रारूप, वर्तनी और अंकों के शुद्ध रूप, मुद्दे
२. दृक्-श्राव्य माध्यमों/साधनों का प्रयोग
३. साधार, सौदाहरण विवेचन, मुद्दों का क्रमशः विश्लेषण
४. आवश्यक चार्ट्स प्रयुक्त करना, छात्रों द्वारा करवाना
५. व्याकरण के आधार पर छात्रों द्वारा छोटे-छोटे आलेख स्वाध्याय के रूप में, उनपर कक्षा में चर्चा।

पाठ्यक्रम :

(१) मानक लिपि और अंक लेखन :

(क) मानक लिपि :

हिंदी वर्ण लिखने के प्रचलित विभिन्न प्रकार
मानक लिपि-स्वीकृत वर्णमाला का परिचय, भारत सरकारद्वारा
निर्धारित वर्तनी संबंधी अद्यतन नियम :

- | | |
|-----------------------------|-------------------------|
| (१) संयुक्त वर्ण | (२) विभक्ति चिह्न |
| (३) क्रियापद | (४) हाइफन |
| (५) अव्यय | (६) श्रुतिमूलक |
| (७) अनुस्वार तथा चंद्रबिंदु | (८) हलचिह्न |
| (९) स्वन परिवर्तन | (१०) विसर्ग |
| (११) ऐ, औ का प्रयोग | (१२) पूर्वकालिक प्रत्यय |
| (१३) विराम चिह्न | (१४) शिरोरेखा |

(ख) अंकलेखन :

भारतीय अंकों का अंतर्राष्ट्रीय रूप, अंकों का लेखन अंको तथा शब्दों में, अपूर्णांक, दशमलव, पहाड़े की भाषावली, गणित के लिए उपयोगी शब्दों एवं चिह्नों का परिचय।

(२) व्याकरण :

(क) शब्द - विचार

शब्द-भेद :

शब्दों के आठ भेद-विकारी एवं अधिकारी, वर्तनी से उसका संबंध, वाक्यों में उनके प्रयोग, कारकों के साथ प्रयोग, विशेषताएँ, विकृत रूप एवं बहुवचन में अंतर -

वचन : कारक विभक्तियों के प्रयोग तथा विशेष प्रयोग

लिंग विचार : सामान्य गलतियों के संबंध में जानकारी

तत्सम, तद्भव, देशज एवं अन्य स्रोतों के शब्दों का सामान्य परिचय, वर्तनी की दृष्टि से उनका विचार तथा प्रयोग।

(ख) वाक्य रचना :

काल - वर्तमान, तात्कालिक वर्तमान, आसन्नभूत भूतकाल, अपूर्ण भूतकाल, तात्कालिक भूतकाल, संदिग्ध भूतकाल, भविष्यकाल

(ग) **क्रियाएँ** : संयुक्त एवं सहायक क्रियाएँ, क्रियासंबंधी अशुद्धियाँ, सकर्मक, अकर्मक, द्विकर्मक

(घ) वाक्यों के प्रकार :

(१) रचना के अनुसार :

सरल, संयुक्त, मिश्र

(२) अर्थ की दृष्टि से :

विधिवाचक, निषेधवाचक, आज्ञावाचक, प्रश्नवाचक

(३) प्रयोग एवं वाक्य की दृष्टि से :

कर्तृवाच्य, कर्तरि, कर्मणि, भावे प्रयोग, कर्मवाच्य, भाववाच्य

(च) वाक्य रचनासंबंधी भूलें :

उदा : न से वाक्य समाप्त करना-है का प्रयोग, सकर्मक वाक्यों को जोड़ते समय एक ही कर्ता का प्रयोग - 'यह' का बीच में अनावश्यक प्रयोग

(३) पारिभाषिक शब्दावली और वाक्यांश

डाक, तार, रेल व भारतीय संविधान से संबंधित १५० शब्दों तथा ५० वाक्यांशों के हिंदी पर्याय और उनका वाक्यों में बीच प्रयोग (सूची संलग्न)

(४) पत्र :

(अ) निमंत्रण पत्र — विवाह समारोह तथा किसी शुभ अवसर पर उपस्थिति, चायपान, मध्याह्न/रात्रि भोज के लिए निमंत्रण, विविध सरकारी निमंत्रण

(आ) अभिनंदन पत्र — नव वर्ष, सामाजिक एवं राष्ट्रीय पर्वों व त्योहारों के उपलक्ष्य में

(इ) संवेदना पत्र — प्रियजन के निधन पर

(ई) आवेदन पत्र — आवेदन पत्रों के प्रकार (छुट्टी स्थानांतरण, कार्यालय-कार्य जीवन, सरकारी मकान, वेतन के विषय में, पदोन्नति, अग्रिम-राशि, विविध भुगतान से संबंधित) एवं आवेदन पत्रों का ढाँचा

(उ) प्रात्यक्षिक —

यातायात के साधनों का आरक्षण करना-रद्द करना, विस्तारण, बदलना, तार-प्रपत्र एवं बैंकों के चलन आदि भरना ।

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- (५) सार लेखन तथा संक्षेपण :
स्वरूप, परिभाषा एवं महत्त्व
संक्षेपण और सारांश में अंतर
- (६) विस्तारण/पल्लवन/कल्पना विस्तार :
विस्तारण/पल्लवन/कल्पना विस्तार का अर्थ-प्रक्रिया व शैलियाँ
(शब्द संख्या १५० से ५०० तक)
- (७) अनुवाद :
(१) आवश्यकता, सिद्धान्त, उपयोगिता और कौशल के
संबंध में जानकारी
(२) मराठी से हिंदी में तथा अंग्रेजी से हिंदी में अनुवाद
(लगभग सौ शब्दों का परिच्छेद)
- (८) कम्प्यूटर
सामान्य जानकारी, विशेषताएँ, कार्यक्षेत्र, आवश्यक इकाइयाँ,
इ-मेल, इंटरनेट।

पारिभाषिक शब्दावली

डाक तार से संबंधित पारिभाषिक शब्दावली

- | | |
|-----------------------------|-----------------------------|
| (1) Post Office | — डाक तार |
| (2) Postage Stamp | — डाक टिकट |
| (3) Postal Address | — डाक पता |
| (4) Post Copy | — डाक प्रति |
| (5) Post Master General | — डाक महाध्यक्ष |
| (6) Post Office Saving Bank | — डाकघर बचत बैंक |
| (7) Acknowledgement (A.D.) | — प्राप्ति, स्वीकृति, पावती |

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|---|---------------------------|
| (8) Money Order | — मनिऑर्डर |
| (9) National Saving Certificate | — राष्ट्रीय बचत पत्र |
| (10) Savings | — बचत |
| (11) Cumulative Time Deposit | — सावधि संचयी जमा |
| (12) Recurring Deposit | — आवर्ती जमा |
| (13) Speed Post | — स्पीड पोस्ट |
| (14) Sender's Address | — प्रेषक/भेजनेवालो का पता |
| (15) Addressee | — पानेवाला, प्रेषिती |
| (16) Registered Letter | — पंजीकृत/पंजीबद्ध पत्र |
| (17) Telegraph Office | — तार घर |
| (18) Inland Letter | — आंतर देशीय पत्र |
| (19) Envelope | — लिफाफा |
| (20) Under Certificate of Posting | — डाक प्रमाणित |
| (21) Telephone Exchange | — टेलिफोन केंद्र |
| (22) By Return of Post | — लौटती डाक से |
| (23) Express Letter | — द्रुत पत्र, तुरंत पत्र |
| (24) Register | — पंजी, रजिस्टर |
| (25) Sender | — प्रेषक |
| (26) Correspondence | — पत्रव्यवहार/पत्राचार |
| (27) Posts and Telegraphs | — डाक व तार |
| (28) Directorate General of
Posts and Telegraphs | — डाक-तार महानिदेशालय |
| (29) Director of Posts and
Telegraphs | — डाक-तार निदेशक |

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- (30) Office of General Manager — महाप्रबन्धक दूरसंचार
Telephones कार्यालय
- (31) Telegram — तार
- (32) Telegram Enclair — शब्दों में तार
- (33) Central Telegraph Office — केंद्रीय तारघर
- (34) Postal Research Centre — डाक-अनुसंधान केंद्र
- (35) Senior Superintendent of — वरिष्ठ डाकघर अधीक्षक
Post Office
- (36) Ministry of Communication — संचार मंत्रालय
- (37) Charge — प्रभार
- (38) Inspector — निरीक्षक
- (39) Welfare Inspector — कल्याण निरीक्षक
- (40) Superintendent — अधीक्षक
- (41) Senior Superintendent — वरिष्ठ अधीक्षक
- (42) Mofussil — ग्रामीण
- (43) Urban — नागर
- (44) Cancellation — रद्द करना/खारिज करना
- (45) Postal Bank — डाक बैंक
- (46) National Saving Certificate — राष्ट्रीय बचत पत्र
- (47) Kisan Vikas Patra — किसान विकास पत्र
- (48) Indira Vikas Patra — इंदिरा विकास पत्र
- (49) Interest — ब्याज/सूद
- (50) Ad hoc — तदर्थ
- (51) Recurring Deposit Scheme — आवर्ती जमा योजना

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(52) Nomination	— नामांकन
(53) Nominated	— नामित
(54) Specimen Signature	— नमूना हस्ताक्षर
(55) First Series	— पहली मालिका
(56) Second Series	— दूसरी मालिका
(57) Registered Parcel	— पंजीकृत पार्सल
(58) Un-registered Parcel	— अपंजीकृत पार्सल
(59) Sorting	— छँटाई
(60) Postman	— डाकिया
(61) Delivery	— आबंटन/वितरण
(62) Telegraphist	— तार संकेतक
(63) Communication	— संचार, संदेश
(64) Mail	— डाक
(65) Telephone Directory	— टेलिफोन निदेशिका डारेक्टरी
(66) Telegraph Officer	— तार अधिकारी
(67) Revenue Stamp	— रसीदी टिकट
(68) Head Sorter	— प्रधान छँटाईकर
(69) Telegram, Coded	— कूटभाषा तार
(70) Telegram Cypher	— बीज लेख तार
(71) Teleprinter	— दूरमुद्रक, टेलिप्रिंटर
(72) Director (Post Offices)	— निदेशक (डाक)
(73) Postal Certificate	— डाक प्रमाणपत्र
(74) Post Master	— डाक पाल

रेल से संबंधित पारिभाषिक शब्दावली

(75) A.C. Chair Car	— वातानुकूल कुर्सी यान
(76) All Right Signal	— सब ठीक है सिग्नल / संकेत
(77) Break Journey	— यात्रा भंग/विराम
(78) Back Dated Ticket	— पिछली तारीख का टिकट
(79) Check Rail	— रेल प्रहरी
(80) Compartment	— डिब्बा
(81) Destination Station	— गंतव्य स्टेशन
(82) Dining Car	— भोजन यान
(83) Expansion of Journey	— यात्रा विस्तारण
(84) En Route	— रास्ते में/मार्गस्थ
(85) Resignation	— त्यागपत्र
(86) Voluntary Retirement	— स्वेच्छा/ऐच्छिक सेवा निवृत्ति
(87) Gear box	— गरारी पट्टी
(88) Goods shed	— माल गोदाम
(89) Head Light	— अगली बडी बत्ती
(90) Hock End	— पिछला सिरा
(91) Ignition	— प्रज्वलन
(92) Indicator	— संकेतक
(93) Junction Box	— संधि पेटि
(94) Jack Jaw	— जबडा
(95) Knop	— धुंडी

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(96) Level Crossing	— समपार
(97) Lubricant	— स्नेहक
(98) Mail Train	— डाकगाडी
(99) Missing Goods	— गायब माल
(100) Net Load	— शुद्ध भार
(101) Night Shift	— रात्रिपालि
(102) On Duty	— काम पर
(103) Pad Lock	— सामान्य ताला
(104) Porter	— भारकि
(105) Quick Transit Service	— द्रुत परिवहन सेवा
(106) Return Ticket	— वापसी टिकट
(107) Running Shed	— इंजन शेड
(108) Sleeper Berth	— शायिका
(109) Time Table	— समय सारणी
(110) Unmanned	— कर्मचारी रहित
(111) Vent Shaft	— चिमनी
(112) Way Station	— मार्गस्थ स्टेशन/ छोटा स्टेशन
(113) Zonal Pass	— क्षेत्रीय पास

भारतीय संविधान से संबंधित पारिभाषिक शब्दावली

(114) Parliament	— संसद
(115) Constitution	— संविधान
(116) Chairman	— सभापति
(117) Speaker	— अध्यक्ष
(118) Budget	— बजट/आय व्ययक

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(119) Cabinet	—मंत्रिमंडल
(120) Central Government	—केंद्रीय सरकार
(121) Centre	—केंद्र
(122) Security Officer	—सुरक्षा अधिकारी
(123) Member of Parliament	—सांसद/संसद सदस्य
(124) Whip	—सचेतक
(125) Starred	—तारांकित
(126) Secretariat	—सचिवालय
(127) Address	—पता
(128) Preamble	—प्रभावना/उद्देशिका
(129) Constituency	—निर्वाचनक्षेत्र
(130) Gallery	—दीर्घा/वीथी
(131) Ordinance	—अध्यादेश
(132) Amendment	—संशोधन
(133) Bilateral	—द्विपक्षीय
(134) Bureaucracy	—नौकरशाही
(135) Elected	—निर्वाचित
(136) Cut Motion	—कटौती-प्रस्ताव
(137) Administration	—प्रशासन
(138) Ambassador	—राजदूत
(139) Embassy	—राजदूतावास
(140) Visa	—विजा/प्रवेशपत्र
(141) Emergency	—आपात स्थिती
(142) Enact	—अधिनियम बनाना

(143) Bureau	— ब्यूरो, कार्यालय, केंद्र
(144) Bye Law	— उपविधि
(145) Decorum	— शिष्टता
(146) Interim	— अंतरिम
(147) Minutes	— कार्यवृत्त
(148) Mandate	— अधिदेश
(149) Section	— अनुभाग, धारा

अंग्रेजी वाक्यों के हिंदी पर्याय

Some Expressions and Phrases

(1) As per details below	— नीचे लिखे ब्योरों के अनुसार
(2) As directed	— निदेशानुसार
(3) Like to state	— निवेदन है
(4) By Order	— के आदेश से
(5) Come into force	— लागू होना
(6) Come into operation	— चालू होना
(7) Deemed to be	— समझा जाएगा
(8) During this period	— इस अवधि में
(9) Early reply is solicited	— शीघ्र उत्तर भेजने की प्रार्थना है
(10) Eligibility is certified	— योग्यता/पात्रता प्रमाणित की जाती है
(11) Further report is awaited	— अगली रिपोर्ट की प्रतीक्षा में

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| (12) Furnish details | — ब्योरा प्रस्तुत करें |
| (13) Give necessary facilities | — आवश्यक सुविधाएँ दी जाएँ |
| (14) Hard and fast rules | — पक्के नियम |
| (15) Has been dealt with suitably | — समुचित कार्रवाई की गई है |
| (16) In reply to | — के उत्तर में |
| (17) In due course | — यथावधि |
| (18) Justification for the proposal | — प्रस्ताव औचित्य |
| (19) Just below | — ठीक नीचे |
| (20) Kindly acknowledge receipt | — कृपया पावती दें |
| (21) Keeping in view | — दृष्टि में रखते हुए |
| (22) Lay before | — समक्ष रखना / सामने रखना |
| (23) Liable to disciplinary action | — अनुशासनात्मक कार्रवाई की जा सकती है |
| (24) May be considered | — विचार किया जाए |
| (25) Mentioned above | — उपर्युक्त/उपरलिखित |
| (26) Note Bene (N.B.) | — विशेष ध्यान दीजिए (वि. ध्यान) |
| (27) Necessary action may be taken | — आवश्यक कार्रवाई की जाए |
| (28) On behalf of | — की ओर से |
| (29) Objection is not valid | — आपत्ति वैध नहीं है |

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| (30) Pros and Cons | — पक्ष-विपक्ष |
| (31) Put up | — प्रस्तुत कीजिए/
पेश कीजिए |
| (32) Question does not arise | — प्रश्न नहीं उठता |
| (33) Quote reference | — संदर्भ बताएँ |
| (34) Referred to above | — उपरिनिर्दिष्ट |
| (35) Remain in force | — लागू रहना/प्रस्तुत रहना |
| (36) Status quo | — यथापूर्व स्थिती |
| (37) So far as possible | — यथासंभव |
| (38) This is to certify | — प्रमाणित किया जाता है |
| (39) Through oversight | — नजर चूक जाने से/
भूल जाने से |
| (40) Under mentioned | — निम्नलिखित |
| (41) Until further orders
तक | — अगला आदेश मिलने |
| (42) Verified and found correct | — सत्यापित किया, सही है |
| (43) With reference to | — के संबंध में/के प्रसंग में |
| (44) With respects | — सादर |
| (45) Yours faithfully | — भवदीय |
| (46) Yours attention is drawn | — आपका ध्यान आकर्षित
किया जाता है |
| (47) Form of questions | — प्रश्नों का रूप |
| (48) For public benefit | — सार्वजनिक हित के लिए |
| (49) Lapse of time | — समय बीतना |
| (50) Method of disposal | — निस्तारण की रीति |

संदर्भ ग्रंथ सूची —

- (१) हिंदी भाषा का सरल व्याकरण - डॉ. भोलानाथ तिवारी
- (२) व्यावहारिक हिंदी और निबंध रचना - ओम प्रकाश सिंहल,
तिलकराज बडेहरा, हरीश नवल
- (३) आवेदन-प्रासूप - शिवनारायण चतुर्वेदी
- (४) प्रामाणिक आलेख और टिप्पणी - प्रो. एम. ए. विराज
- (५) अभिनव-व्यावहारिक हिंदी - परमानंद गुप्त
- (६) प्रयोजनमूलक हिंदी (वाणी प्रकाशन, नई दिल्ली) - विनोद गोदरे
- (७) प्रयोजनमूलक हिंदी : सिद्धान्त और प्रयोग (वाणी प्रकाशन,
नई दिल्ली) - डॉ. दंगल झाल्टे
- (८) व्यावहारिक हिंदी और रचना (वाणी प्रकाशन, नई दिल्ली) -
डॉ. कृष्ण कुमार गोस्वामी
- (९) प्रयोजनमूलक कामकाजी हिंदी (तक्षशिला प्रकाशन, नई दिल्ली) -
डॉ. कैलाश चंद्र भाटिया
- (१०) मानक हिंदी - ब्रज मोहन
- (११) प्रयोजनमूलक हिंदी - रवीन्द्रनाथ श्रीवास्तव
- (१२) देवनागरी लिपि तथा हिंदी वर्तनी का मानकीकरण - केंद्रीय हिंदी
निदेशालय, नई दिल्ली
- (१३) कार्यालयीन हिंदी - केशरीलाल वर्मा
- (१४) कार्यालय सहायिका - हरिबाबू कंसल

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(१५) प्रयोजनमूलक हिंदी : प्रयुक्ति और प्रयोग (छाया पब्लिशिंग हाउस, औरंगाबाद) - डॉ. माधव सोनटक्के

प्रश्न

- (१) (अ) मानक लिपि पर आधारित वाक्य ०८ अंक
शुद्धीकरण (१० में से ८)
- (आ) अंक लेखन पर आधारित (१० में से ८) ०८ अंक
- (२) व्याकरण पर आधारित वाक्य रचनासंबंधी अशुद्धियों के कारण बताकर शुद्ध करना १६ अंक
- (३) (अ) अंग्रेजी परिभाषिक शब्दों के हिंदी पर्याय तथा उनका वाक्य में प्रयोग (१२ में से १०) १० अंक
- (आ) अंग्रेजी पारिभाषिक वाक्यांशों के हिंदी पर्याय तथा उनका वाक्य में प्रयोग (१२ में से १०) १० अंक
- (४) (अ) पत्र का नमूना (२ में से १) ०६ अंक
- (आ) आवेदन पत्र का नमूना (२ में से १) ०६ अंक
- (५) (अ) सार लेखन/संक्षेपण पर आधारित ०६ अंक
- (आ) विस्तारण/पल्लवन/कल्पना विस्तार पर आधारित ०६ अंक
- (६) (अ) मराठी अनुच्छेद का हिंदी में अनुवाद ०६ अंक
- (आ) अंग्रेजी अनुच्छेद का हिंदी में अनुवाद ०६ अंक
- (७) कम्प्यूटर पर टिप्पणियाँ (५ में से ३) १२ अंक

कुल १०० अंक

प्रयोजनमूलक हिंदी वैकल्पिक पाठ्यक्रम
प्रथम वर्ष बी. ए. हिं. प्र. १

१. मानक लिपि और अंकलेखन

(क) मानक लिपि

हिंदी वर्ण लिखने के प्रचलित विभिन्न प्रकार मानक लिपि-स्वीकृत वर्णमाला का परिचय, भारत सरकार द्वारा निर्धारित वर्तनी संबंधी अद्यतन नियम।

१. संयुक्त वर्ण, २. विभक्ति चिह्न, ३. क्रियापद, ४. हाइफन, ५. अव्यय, ६. श्रुतिमूलक, ७. अनुस्वार तथा चंद्रबिंदु, ८. हल चिह्न, ९. स्वन-परिवर्तन, १०. विसर्ग, ११. ए, औ का प्रयोग, १२. पूर्व कालिक प्रत्यय, १३. विरामचिह्न, १४. शिरोरेखा।

(ख) अंकलेखन

अंकों का देवनागरी एवं भारतीय अंको का आंतर्राष्ट्रीय रूप, अंकों का लेखन - अंको तथा शब्दों में अपूर्णाक, दशमलव, पहाडे की भाषावली गणित के लिए उपयोगी शब्दों एवं चिन्हों का परिचय।

२. व्याकरण

(क) शब्द-विचार : शब्द भेद-शब्दों के आठ भेद-विकारी एवं अविकारी, वर्तनी से उसका संबंध, वाक्यों में उनके प्रयोग, कारकों के साथ प्रयोग, विशेषताएँ विकृत रूप एवं बहुवचन में अंतर

वचन : कारक विभक्तियों के प्रयोग तथा विशेष प्रयोग लिंगविचार-सामान्य गलतियों के बारे में जानकारी तत्सम, तद्भव, देशज एवं अन्य स्रोतों के शब्दों का सामान्य परिचय, वर्तनी की दृष्टि से उनका विचार तथा प्रयोग।

३. पारिभाषिक शब्दावली और वाक्यांश
डाक, तार से संबंधित ७५, और २५ वाक्यांश अर्थ, उनका वाक्यों में प्रयोग। (परिशिष्ट संग्रह है।)
४. पत्रव्यवहार निमंत्रण-पत्र, अभिनंदन-पत्र, सम् वेदना-पत्र
१. निमंत्रण-पत्र—विवाह पर उपस्थित होने के लिए निमंत्रण, चाय के लिए निमंत्रण, मध्याह्न। रात्रि भोज के लिए निमंत्रण — किसी शुभ अवसर पर उपस्थिति के लिए, निमंत्रण—सरकारी, निमंत्रण—विविध.
 २. अभिनंदन पत्र : नववर्ष पर, दीपावली पर, मंत्री को
 ३. सम् वेदना पत्र : प्रियजन के निधन पर
 ४. प्रात्यक्षिक यातायात के साधनों का आरक्षण करना — रद्द करना, विस्तारण, बदलना, तार-प्रपत्र एक बैंको के चलन आदि भरना
 ५. सारलेखन तथा संक्षेपण स्वरूप, परिभाषा, एवं महत्त्व संक्षेपण एर सारांश में अंतर
 ६. विस्तारण। मल्लवन। कल्पना विस्तार विस्तारण। मल्लवन। कल्पना विस्तार का अर्थ-प्रक्रिया+ शैलियाँ (शब्दसंख्या १५० से ५०० शब्दों तक)।
१. व्याकरण
- (क) वाक्यारचना-काल-वर्तमान, तात्कालिक वर्तमान - आसन्नभूत, भूत, अपूर्णभूत, तात्कालिक भूत, संदिग्ध भूत, भविष्यकाल
 - (ख) क्रियाएँ—संयुक्त क्रियाएँ, सहायक क्रियाएँ क्रियासंबंधी अशुद्धियाँ—सकर्मक, अकर्मक, द्विकर्मक
 - (ग) वाक्यों के प्रकार
 १. मिश्र, क्लिष्ट, सरल
 २. अर्थ— आज्ञार्थ, विध्यर्थी, प्रश्नार्थक, सकारार्थ, नकारार्थ
 ३. प्रयोग—एवं वाक्य - कर्तृवाच्य, कर्तरी, कर्मणि, भावे

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प्रयोग, कर्मवाच्य, बाववाच्य

(घ) वाक्यरचना संबंधी भूलें

उदा. न से वाक्य समाप्त करना-है का प्रयोग, सकर्मक वाक्यों को जोड़ते समय एक ही कर्ता का प्रयोग-यह का बीच में अनावश्यक प्रयोग।

२. पारिभाषिक शब्दावली और वाक्यांश
रेल, भारतीय संविधान से संबंधित ७५ शब्द और २५ वाक्यांश अर्थ, उनका वाक्यों में प्रयोग (परिशिष्ट संलग्न है)
३. पत्रव्यवहार-आवेदन। प्रार्थना पत्रों के विविध प्रकार-आवेदनपत्रों का ढाँचा प्रकार
१. छुट्टी से संबंधित, २. स्थानांतरण से संबंधित, ३. कार्यालय-कार्यजीवन से संबंधित, ४. सरकारी मकान से संबंधित, ५. वेतन के विषय में, ६. पदोन्नति के संबंध में, ७. अग्रिम-धन-विविध भुगतान से संबंधित
४. अनुवाद
१. आवश्यकता, सिद्धान्त उपयोगिता और कौशल-के बारे में सामान्य जानकारी
२. मराठी से हिंदी में अनुवाद लगभग सौ शब्दों के परिच्छेद
३. अंग्रेजी से हिंदी में अनुवाद
५. निबंध-आत्मकथनात्मक, रेखाचित्रात्मक, संस्मरनात्मक, वर्णनात्मक, सूचि और सहायत पर आधारित, कल्पनात्मक। संदर्भ पुस्तक-प्रयोजनमूलक हिंदी-लेखक पाबू देसाई।

नई पद्धती के अनुसार वार्षिक परीक्षा के १०० अंकों के प्रश्नपत्रों की रूपरेखा।

सामान्य सूचनाएँ -

१. एफ. वाय. बी. ए. / बी. कॉम., एस. वाय. बी. एस्सी. तथा एस. वाय. बी. ए. के प्रश्नपत्रों की नई रूपरेखा अप्रैल/मई १९९५ की परीक्षा से आरंभ होगी। टी.वाय.बी.ए. के प्रश्नपत्रों की नई रूपरेखा अप्रैल/मई १९९६ की परीक्षा से अमल में जाएगी।
२. नई पद्धति में प्रत्येक विषय/पेपर का प्रश्नपत्र १०० अंको का तथा ३ घंटे अवाही का होगा।
३. प्रत्येक प्रश्नपत्र में ६ प्रश्न होंगे और वे सब अनिवार्य होंगे। अंतर्गत विकल्प होंगे।
४. प्रश्नपत्र पूरे वर्ष के पाठ्यक्रम पर आधारित होंगे।

प्रथम वर्ष साहित्य
हिंदी ऐच्छिक - सामान्य प्रश्न
वार्षिक परीक्षा

समय : ३ घंटे)

(गुणांक : १००

- | | |
|--|----|
| १. गद्य पाठों पर लघूत्तरी प्रश्न (६ में से ४) | २० |
| २. पद्य पाठों पर लघूत्तरी प्रश्न (६ में से ४) | २० |
| ३. ससंदर्भ व्याख्या - | |
| (अ) गद्य पाठों के अवतरण (४ में से २) | १० |
| (आ) पद्य पाठों के अवतरण (४ में से २) | १० |
| (इ) गद्य-पद्य पाठों पर एकवाक्यीय उत्तरवाले प्रश्न (६ में से ६) (गद्य ९ + पद्य ३) | ६ |
| ४. (क) वाक्य शुद्धीकरण (६ में से ४) | ४ |
| (ख) पारिभाषिक शब्दों के हिंदी पर्याय (६ में से ४) | ४ |

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५. (च) अनुवाद लेखन अथवा सारलेखन ७
(छ) वार्ता लेखन (२ में से १ विषयपर) ७
६. निबंध लेखन (५ में से १ विषयपर) १२

अथवा

**हिंदी ऐच्छिक -- प्रयोजनमूलक हिंदी : प्रश्न
वार्षिक परीक्षा**

समय : ३ घंटे (पूर्णांक : १००)

१. निबंध लेखन (५ में से १ विषय पर) १६
२. (अ) सारलेखन तथा शीर्षक देना ८
(आ) कल्पना विस्तार (२ में से १) ८
३. पत्रों के नमुने बनाना (४ में से २ ... निमंत्रण पत्र, सम्वेदना पत्र, अभिनंदन पत्र, आवेदन पत्र (कोई एक प्रकार का) १६
४. (क) पारिभाषिक शब्दों के हिंदी पर्याय देना (१२ में से ८) ८
(ख) पारिभाषिक वाक्यों के हिंदी पर्याय देना (१२ में से ८) ८
५. (च) मराठी अनुच्छेद का हिंदी में अनुवाद (२ में से १) ८
(छ) अंग्रेजी अनुच्छेद का हिंदी में अनुवाद (२ में से १) ८
६. (ट) वाक्यों का सकारण शुद्धीकरण (६ में से ४) ८
(ठ) मानक हिंदी वर्तनी के अनुवाद शुद्ध रूप पहचानना (६ में से ४) (प्रत्येक में ३ पर्याय दिए जाये)। ४
(ड) हिंदी अंकों का मानक हिंदी वर्तनी के अनुसार अक्षरों में लिखना (६ में से ४) ४
(ढ) कोष्ठक में दिये गये शब्दों का योग्य रूप कर योग्य फिरसे लिखिए (६ में से ४) ४
(वचन, लिंग, कारक-विभक्ती, वाक्य, काल अर्थ से संबंध वाक्य दिए जाये.)

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२. गद् की पुस्तके गद्य खंडों संसदर्भ व्याख्या (४ में से २)
अवतरण १६
३. पद्य की पुस्तके कवि पर दीर्घोत्तरी प्रश्न १

अथवा

३. पद्य की पुस्तकी कविताओं पर लघूत्तरी प्रश्न (४ में से २) १६
४. पद्य की पाठ्यपुस्तक में से पद्य खंडों की संसदर्भ व्याख्या
(४ में से २) १६
५. (अ) मानक हिंदी वर्तनीय के नियम तथा अंकलेखन पर आधारित
वाक्यशुद्धीकरण (१२ में से १० वाक्यों का) १०
(आ) शब्दयुग्मों के हिंदी में अर्थ बताकर वाक्यों में प्रयोग
(८ में से ५ शब्दयुग्म) १०
६. (क) संपादक के नामपत्र का नमुना बनाना (२ में से १)
(ख) आवेदन पत्र का नमुना बनाना (२ में से १) ८

अथवा

हिंदी सामान्य-प्रयोजनमूलक हिंदी : प्रश्न

वार्षिक परीक्षा

समय : ३ घंटे

पूर्णांक : १००

१. (अ) वार्ता का नमुना बनाना (अंतर्गत विकल्प) (विषय दिया
जाय) ८
(आ) टिप्पण का प्रारूप बनाना (अंतर्गत विकल्प)
(विषय दिया जाय) ८
२. (क) साक्षात्का का मसौदा बनाना (अंतर्गत विकल्प) (विषय दिया
जाय) ८
(ख) रिपोर्ट का नमुना बनाना (अंतर्गत विकल्प) (विषय दिया
जाय) ८

३. टिप्पणियाँ लिखना (६ में से ४)
(विषय : संगणक, टेलिप्रिंटर, टंकलेखन यंत्र, वाक्यों के प्रकार, पत्रलेखन, कृदन्त, डी प्रत्यत, समास, संधी, कारक, आदि पाठ्यविषयों से संबंधित होंगे।) १६
४. (च) शब्दयुग्मों के अर्थ बताकर वाक्यों में प्रयोग (६ में से ४) ८
(छ) वाक्याशुद्धीकरण (१२ में से ८) ८
५. (ट) पारिभाषिक अंग्रेजी शब्दों के हिंदी पर्याय लिखना (४ में से ४) ४
(ठ) पारिभाषिक अंग्रेजी वाक्यों के हिंदी में पर्याय लिखना (४ में से ४) ४
(ड) पारिभाषिक शब्द/वाक्यांशयुक्त अंग्रेजी वाक्यों का हिंदी में अनुवाद (८ में से ८) ८

प्रथम वर्ष बी. ए.

अंग्रेजी वाक्यांशों के हिंदी पर्याय

Some Expressions and Phrases

- | | |
|-------------------------|------------------------------|
| 1. As per details below | — नीचे लिखे ब्योरो के अनुसार |
| 2. As directed | — निदेशानुसार |
| 3. Beg to state | — निवेदन है |
| 4. By Order | — के आदेश से |
| 5. Come into force | — लागू होना |
| 6. Come into operation | — चालू होना |
| 7. Deemed to be | — समझा जाएगा |
| 8. During this period | — इस अवधी में |

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9. Early reply is solicited — शीघ्र उत्तर भेजने की प्रार्थना है
10. Eligibility is certified — पात्रता प्रमाणित की जाती है
11. Further report is awaited — अगली रिपोर्ट की प्रतीक्षा में
12. Furnish details — ब्योरा प्रस्तुत करें
13. Give necessary facilities — आवश्यक सुविधाएँ दी जाए
14. Hard and fast rules — पक्के नियम
15. Has been delt with suitably — समुचित कार्रवाई की गई है
16. In reply to — के उत्तर में
17. In due course — यथावधि
18. Justification for the proposal — प्रस्ताव औचित्य
19. Just below — ठीक नीचे
20. Kindly acknowledge receipt— कृपया पावती दे
21. Keeping in view — दृष्टि में रखते हुए
22. Lay before — समक्ष रखना/सामने रखना
23. Liable to disciplinary action—अनुशासनात्मक कार्रवाई
की जा सकती है
24. May be considered — विचार किया जाए
25. Mentioned above — उपर्युक्त उपरिलिखित
26. Note Bene (N.B.) — विशेष ध्यान दीजिए
(वि. ध्यान)
27. Necessary action may be taken—आवश्यक कार्रवाई की
जाएगी
28. On behalf of — की ओर से

29. Objection is not valid — आपत्ति वैध नहीं है
30. Pros and Cons — पक्ष-विपक्ष/आगा पीछा
31. Put up — प्रस्तुत कीजिए/पेश कीजिए
32. Question does not arise — प्रश्न नहीं उठता
33. Quote reference — संदर्भ बताए
34. Referred to above — उपरिनिर्दिष्ट
35. Remain in force — लागू रहना। प्रस्तुत करना
36. Status quo — यथापूर्व स्थिती
37. So far as possible — यथासंभव
38. This is to certify — प्रमाणित किया जाता है
39. Through oversight — नजर चूक जाने से/भूल जाने से
40. Under mentioned — निम्नलिखित
41. Until further orders — अगला आदेश मिलने तक
42. Verified and found correct— सत्यपित किया, सही है
43. With reference to — के संबंध में/ के प्रसंग में
44. With respects — सादर
45. Yours faithfully — भवदीय
46. Your attention is drawn — आपका ध्यान आकर्षित किया जाता है
47. Form of question — प्रश्नों का रूप
48. For public benefit — सार्वजनिक हित के लिए
49. Lapse of time — समय बीतना
50. Method of disposal — विस्तारण की रीति

पुरवणीपत्रिका

प्रथमवर्ष बी.ए./बी.कॉम.

हिंदी व संगणकशास्त्र

पुणे विद्यापीठ

परिपत्रक क्र. ३०७/२०००

विषय : प्रथम वर्ष बी.ए./बी.कॉम. वर्गाच्या हिंदी विषयाच्या प्रश्न
(निबंध) स्वरूपामध्ये बदल करून त्यामध्ये संगणक
अभ्यासक्रमाचा समावेश करण्याबाबत.

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, प्रथम वर्ष बी.ए. आणि बी.कॉम. च्या प्रश्नपत्रिकेमधील प्रश्न ६ (निबंध) च्या स्वरूपात बदल करण्यात येत असून निबंधाच्या विषयामध्ये कल्पनात्मक, आत्मकथनात्मक, विवरणात्मक, विचारात्मक ह्यांपैकी एका विषयावर निबंध लिहिण्यास सांगण्यात येईल व त्यास संगणक ह्या विषयावरील प्रश्नांचा पर्याय राहिल. संगणकावरील प्रश्न केवळ टीपास्वरूपाचे असतील. त्यांमध्ये ४ पैकी ३ टीपा लिहाव्या लागतील. संगणक ह्या विषयाचा अभ्यासक्रम सोबतच्या परिशिष्टाप्रमाणे राहिल.

गणेशखिंड, पुणे-७

जावक क्र. : सीबी/४६५०

दि. २५-०९-२०००

ना. म. कदम

कुलसचिवांकरिता

पुणे विद्यापीठ

एफ.वाय.बी.ए./बी.कॉम. (हिंदी) संगणक अभ्यासक्रम

सूचना और प्राद्योगिकी के बढते प्रभाव तथा उपयोगिता की दृष्टी से प्रथम वर्ष साहित्य के पाठ्यक्रम में प्रश्न क्र. ६ (निबंध) में परिवर्तन किया जा रहा है। निबंध के विषयों मे कल्पनात्मक, आत्मकथनात्मक, विवरणात्मक तथा विचारात्मक इन प्रकारों में से केवल एक ही प्रकार का कोई निबंध पूछा जाएगा।

निबंध के लिए अथवा प्रश्न संगणक का होगा।

संगणक का प्रश्न केवल टिप्पणियों का होगा। इस प्रश्न में ४ में से केवल ३ टिप्पणियाँ लिखनी होगी।

संगणक पाठ्यक्रम :

(१)संगणक की जानकारी - परिचय

(२)संगणक की विशेषताएँ - (I) अपने आप कार्य

(II) तीव्र गति

(III) अचूक कार्य पद्धति

(IV) सातत्य

(V) स्मरणशक्ति

(VI) कम जगह में अधिक जानकारी एकत्रित करनेकी क्षमता

(VII) बहुआयाती

(VIII) विश्वासार्हता (विश्वसनीयता)

(IX) सूक्ष्म आकार

(X) विचारशून्यता।

F.Y.B.A. / 84

- (३) संगणक कार्यक्षेत्र - विज्ञान, अंतरिक्ष, रक्षा विभाग, बैंक, चिकित्सा, व्यापार, विज्ञापना, छपाई, हवाई, जहाज, रेल्वे, पत्र-व्यवहार, शिक्षा, कल-कारखाने, तकनीकी विभाग, भूशास्त्र, कार्टून फिल्म, बुद्धिवर्धक आकर्षक खेल आदि।
- (४) संगणक की आवश्यक - (I) मॉनिटर
इकाइयाँ (II) सिस्टिम यूनिट
(III) की-बोर्ड
- (५) इ मेल - सामान्य परिचय
- (६) इंटरनेट - सामान्य परिचय

संदर्भ ग्रंथ :

- (१) कॉम्प्यूटर सीखे अपने आप - प्रका.:नेट कॉम इंडिया प्रा. लि.
पो. बॉ. १५४, जी.पी.ओ.
नई दिल्ली-११०००१.
- (२) इंटरनेट - प्रका.: नेट कॉम इंडिया प्रा. लि.
पो. बॉ. १५४, जी.पी.ओ.
नई दिल्ली-११०००१.
- (३) इन्फॉर्मेशन टेक्नॉलॉजी - खंड १, २, ३.
सी-डॉक (पुणे) द्वारा निर्मित ग्रंथ.

पत्रिकाएँ :

- (१) कॉम्प्यूटर संचार सूचना - सं. हरिशंकर व्यास
संवाद परिक्रमा प्रा. लि. २६३८-
४२, पर्ल पॅलेस, गुरुद्वारा रोड,
करोल बाग, नई दिल्ली-
११०००५.

(7) ENGLISH

Appendix to F.Y.B.A.English Paper

Encl. to Circular No. 256

First Year B.A. Additional/Optional English

Question Paper Format 1998-99 & 1999-2000

1. (a) Poetry : general theoretical
(i) or (ii) -10 Marks
- (b) Poetry : textual
(i) or (ii) -10 Marks
2. (a) One act play : general theoretical
(i) or (ii) -10 Marks
- (b) One act play : textual
(i) or (ii) -10 Marks
3. (a) Short story : general theoretical
(i) or (ii) -10 Marks
- (b) Short story : textual
(i) or (ii) -10 Marks
4. (a) Essay : general theoretical
(i) or (ii) -10 Marks
- (b) Essay : textual
(i) or (ii) -10 Marks
5. (a) Poetry : general theoretical
(i) or (ii) -10 Marks
- (b) Poetry : two reference to context questions
Out of four -10 Marks

F.Y.B.A. / 86

* The first year B.A./Optional English question paper will have five questions each carrying twenty marks. Each question will have two sections, each carrying ten marks and having two internal options. The first section of each question will aim at testing the examinee's knowledge of or acquaintance with the nature and elements of one form of literature with the second section will ask questions on prescribed texts in Bolasion of injuxta position with other prescribed texts.

* The first question will be on poetry, the second on one-act plays, the third on short stories, the fourth on essays, and the fifth on poetry again. The second section of the fifth question will be on explaining poetry lines with reference to their contexts.

* You will have noticed that this pattern deviates from the of used pattern of essay questions that has been in use for years. The purpose is not only to break the monotony of essay type questions, but to reduce the amount of predictability which leads to rote memorization and thematic content and linguistic expressions. In all the sections except the second section of the fifth questions, the examinee will be provided help in the form of key points or a series of related questions each of which will require him/her to produce a piece of information/evaluation/appreciation. The examinee will have to looks at the points or questions in each section in their totality and produce a cogent and cohesive piece of composition exhibiting his/her mastery of the content, and elements of the form of literature and critical evaluation of them.

पुणे विद्यापीठ
परिपत्रक क्र. १८३/२००४

विषय : प्रथम वर्ष बी. ए. या वर्गाच्या इंग्रजी विषयाच्या क्रमिक
पुस्तकाबाबत

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत आहे की, प्रथम वर्ष बी. ए. वर्गाच्या इंग्रजी विषयास शैक्षणिक वर्ष २००४-२००५ पासून खाली नमूद करण्यात आलेली क्रमिक पुस्तके नेमण्यात येत आहेत.

Compulsory English : The Present Syllabus and Prescriptions continue.
General English : Poetry and Minor Forms of English Literature (OUP) (Revised Edition)

मा. विभागप्रमुख, इंग्रजी विभाग, पुणे विद्यापीठ व पुणे विद्यापीठाचे सर्व संलग्न महाविद्यालयाचे प्राचार्य यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या, प्राध्यापक व विद्यार्थी यांच्या निदर्शनास आणून द्यावा.

गणेशखिंड, पुणे - ४११ ००७

जा. क्र. : सीबीएच/३५५६

दिनांक : २१-६-२००४

संचालकांकरिता

म. वि. वि. मं.

F.Y.B.A. / 88

(B) CLASSICAL LANGUAGE
From June 1994

(8) SANSKRIT

Appendix

पुणे विद्यापीठ

परिपत्रक क्र. १८२/२००२

विषय : प्रथम वर्ष साहित्य, प्रथम वर्ष वाणिज्य व
द्वितीय वर्ष विज्ञान संस्कृत अभ्यासक्रम.

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत आहे की, प्रथम वर्ष साहित्य, प्रथम वर्ष वाणिज्य व द्वितीय वर्ष विज्ञान या वर्षाच्या संस्कृत या विषयासाठी सोबत पाठ्यपुस्तकांची सूची जोडण्यात येत आहे. या पाठ्यपुस्तकांचा अंतर्भाव शैक्षणिक वर्ष २००२-२००३ पासून करण्यात येत आहे.

गणेशखिंड, पुणे-४१ ००७.

जा. क्र. सीबीए/३०९०

दिनांक : १४.६.२००२

ला. फु. वसावे

कुलसचिवांकरिता

Circular No. 182/2002
Revised from June 2002

शैक्षणिक वर्ष जून २००२ पासून पुढील वर्षासाठी
प्रथम वर्ष साहित्य (एफ.वाय.बी.ए.) संस्कृत उपसमिती
एफ.वाय.बी.ए. संस्कृत पाठ्यपुस्तक आराखडा

पद्य विभाग :

१. वालिसुग्रीवयोः द्वन्द्वम् । (रामायण - किष्किन्धाकाण्ड)
२. रन्तिदेवकथा । (भागवतपुराणम्)
३. गुर्वष्टकम् । (श्रीमच्छङ्कराचार्य विरचितम्)
४. सुभाषितानि ।
५. प्रकृतिविज्ञानम् । (अष्टाजहृदय - वाग्भटकृत)
६. व्याघ्रीतनयसंवादः । (रामचंद्रलघुकाव्यसंग्रह : १९९३)

गद्य विभाग :

१. गार्ग्याः प्रश्नद्वयम् । (बृहदारण्यक उपनिषद ३.८.१-१२)
२. व्याकरण प्रयोजनानि । (व्याकरणमहाभाष्य - पस्पशाह्निक)
३. तका प्रतिष्ठितः । (शाङ्करभाष्य - २.१-११)
४. चतुर्दन्तगजकथा । (पञ्चतन्त्र)
५. कर्णभारम् । (भासकृत कर्णभार)
६. शकुन्तलायाः पतिगृहगमनम् । (कालिदासकृत अभिज्ञानशाकुन्तलम्)

F.Y.B.A. / 90

(9) PERSIAN

UNIVERSITY OF PUNE

Circular No. 197 of 2002

Subject : Revised Syllabus in Persian at various examinations.

It is hereby notified for the information of all concerned that, the University Authorities have decided as below :

The syllabus of Persian for the following courses has been revised as enclosed in the appendix.

1. F.Y.B.A. (General Paper I)
2. F.Y.B.Com.
3. S.Y.B.A. (General Paper II)
4. T.Y.B.A. (General Paper III)
5. M.A. (Part I & II)

The above decision will come into force from Academic Year 2002-2003.

The Principals of all University of Pune's affiliated colleges are requested to bring the contents of this circular to the notice of all teachers, Students and others.

Ganeshkhind,
Pune-411007.
Ref. No. : CB/A/3078
Date : 14-06-2002

Sign. _____
For Registrar.

F.Y.B.A. / 91

UNIVERSITY OF PUNE

F.Y.B.A (PERSIAN) (GENERAL) PAPER-I

2002-2003, 2003-2004 and 2004-2005.

ADBIYAT-E-FARSI (Prose and Poetry)

Edited by Dr. Anant Shaikh and

Prof. Nazir Ahmed Ansari

A) Portion for the Term-End Examination

Portion Prescribed as above

Total Marks - 60 (Two hours duration)

No. of Questions - 4 (with internal choice)

Pattern for Question Paper

- i) Question on any one poet or form of poetry = 15 marks
- ii) a) Reproduction of a poem in simple persian = 10 marks
b) Figures of speech (Five out of seven) = 15 marks
- iii) Translation and explanation of verses from
the text. (five out of seven) = 20 marks

Total Marks = 60

B) Portion for the Annual Examination

Portion as prescribed above.

Total marks - 100 (Three hours duration)

No. of Questions - 5 (with internal choice)

Pattern of Question Paper

- i) Question on any one poet or form of poetry = 15 marks
- ii) a) Reproduction of a poem in simple Persian = 10 marks
b) Figures of Speech (five out of seven) = 15 marks
- iii) Question on the author or story = 15 marks
- iv) a) Translation of passages in to Urdu,
English, Marathi OR Explain in Persian.
(Two out of four) = 20 marks
- b) Translation of Couplets (Five out of
Seven) into Urdu, English Marathi
OR Explain in Persian = 15 marks
- v) Translation of an unseen English passage
into Persian = 10 marks
- _____
- Total Marks =100 marks
- _____

F.Y.B.A. / 93

(10) ARABIC

Appendix

UNIVERSITY OF PUNE

Circular No. 198 of 2002

**Subject : Revision of Syllabus in Arabic at various
examination**

It is hereby notified for the information of all concerned that, the University Authorities have decided as below :
The syllabus of Arabic for the following courses has been revised as enclosed in the appendix.

1. F.Y.B.A. (General Paper I)
2. F.Y.B.Com. (General Paper I)
3. S.Y.B.A. (General Paper II)
4. T.Y.B.A. (General Paper III)
5. M.A. (Part I & II)

The above decision will come into force from Academic Year 2002-2003.

Ganeshkhind,
Pune-411007.
Ref. No. : CB/A/3079
Date : 14-06-2002

L. Vasave
For Registrar.

F.Y.B.A. / 94

UNIVERSITY OF PUNE
Syllabus for the Academic Year
2002-2003, 2003-2004 and 2004-2005
F.Y.B.A Arabic General - I

A) First Term :

Prose with Applied grammar.

Prescribed book : Al-Qura-atul wazeha Part-I

by Waheed-U-Zzaman Keranwi

Lessons : 1 to 11, 14 to 22, 30 to 35.

B) Second Term :

1. Short History of Arabic Literature :

- (a) Pra-Islamic Poetry and Prose.
- (b) Eminent Poets (Imraul-Qais, Zuhair, Amr-bin Kulthum, etc.)
- (c) Impact of Quran on Arabic Literature.
- (d) Poetry in Early Islamic Period and eminent Poets.
(Hassan, Ibane-Rawaha, Khansa etc.)

2. Translation, (Arabic - English - Arabic)

Prescribed Book : Arabic for beginners :

By - Dr. Syed Ali

Lessons : 5 to 10.

F.Y.B.A. / 95

Portion for the Term End Examination :

Prose : Text, as prescribed above with applied grammar

Total Marks : 60

Time : Two hours

No. of Questions - 4 (with internal choice)

Pattern of the Question Paper for the Term End Examination

1. Translation into English or Urdu
or Marathi (Two out of three passages) = 15 marks
 2. General Questions
 - (a) Fill in the Blanks = 05 marks
 - (b) Book's Exercises = 05 marks
 - (c) Question Answer in Arabic
(from the text)
 3. Questions on Grammar (two out of three) = 15 marks
 4. Critical Question on Text or Author = 15 marks
-
- Total = 60 marks

Portion for the Annual Examination

1. Prose : Lesson Prescribed as above.
2. Poetry : Topics Prescribed as above.
3. Grammar and Translation - Prescribed as above.
No. of Questions - Five (with Internal Choice)
Total Marks : 100 Time : Three hours

F.Y.B.A. / 96

**Pattern of the Question Paper for the
Annual Examination**

1. Translation into English or Urdu or Marathi
(Two out of three Passages) = 20 marks
 2. General Questions
 - (a) Fill in the blanks and Exercises
from book = 07 marks
 - (b) Question-Answer in Arabic from book = 07 marks
 - (c) Singulars and Plurals etc. = 06 marks
 3. Short notes from History of Arabic Literature
(Two out of Three) = 20 marks
 4. Questions from Grammer (Two out Three) = 20 marks
 5. Translation of Passages (From Text)
 - (a) Arabic into English = 10 marks
 - (b) English into Arabic = 10 marks
- Total = 100 marks
-

F.Y.B.A. / 97

(11) FRENCH

UNIVERSITY OF PUNE

Circular No. 286 of 2002

**Subject : Revision of Syllabus in French
(F.Y. S.Y. & T.Y.B.A.)**

It is hereby notified for the information of all concerned that, the University Authorities have decided to revise the syllabus of F.Y.B.A S.Y.B.A. & T.Y.B.A. in French as enclosed in the Appendix

The above decision will come into force from Academic Year 2002-2003

Ganeshkhind,
Pune-411007.
Ref. No. : CB/French/4313
Date : 1-7-2002

For Registrar.

Syllabus for F.Y.B.A., in FRENCH

Modifications and the changes in the syllabi for the first year, Second Year and the Third Year of B.A. in French are as follows.

French General

F.Y.B.A

Advanced Level

Same as before

Beginnre Level

- **The prescribed book** - "Nouveau Sans Frontiere" Cle International - printed in India, Pages 8 to 99, two units lessons 1 to 10 for F.Y.B.A. Beginners (first ten lessons)
- **Question paper**
Dictation 10 marks

Questions based on the text : 90 marks

1. The instructions to be given in English
2. The division of 90 marks be as follows

Grammer	:	35
Civilisation	:	10
Communication skills	:	15
Comprehension	:	10
Vocabulary	:	10
Translation (French to English)	:	10

3. A model question paper Annex II B

Annexure II A

A model question paper for F.Y.B.A. (Beginners)

Q. 1. What will you say in the given situation ? Match the columns and rewrite the complete sentence (10)

- | A | B |
|--|---------------------------------|
| 1. Que est-ce? | a) Entendu monsieur. |
| 2. Bonjour M.Dubois.
Je vous presente | b) Pierre Vincent Mme Lamy. |
| 3. Comment ça va ? | c) Non, je visite la ville. |
| 4. Trois cafes, s'il vous plait. | d) Oui, il est dix heures cinq. |
| 5. Comment vous appelez-vous? | e) Je vous en prie. |
| 6. Tu habites a Paris ? | f) C'est Sylvie, une amie |
| 7. Pardon, monsieur, vous avez l'heure" | g) Dix France cinquante |
| 8. Merci beaucoup | h) Ça va très bien. Et toi ? |
| 9. Pour aller à la gare, s'il vous plat? | i) Enchanté, madame. |
| 10. C'est combien, ce gâteau au chocolat ? | j) Allez tout droit |

Q.2. Rewrite the dialogue in the right order (10)

Laurent et Rémi vont dîner au restaurant

Laurent : C'est où ?

Laurent : Est-ce que c'est cher ?

Laurent : Où allons - nous ?

Rémi : Un moment, je vais faire un réservation

Laurent : Comment y va-t-on ?

Laurent : D'accord Allons-y
Rémi : Allons 'Chez George'
Rémi : En bus ou en metro
Rémi : Au bout de la Rue Saint Honoré
Rémi : Non, pas trop, mais la cuisine est bonne.

Q. 3 Comprehension Read the passage given below and answer the question (10)

La Croix Rouge est une organisation internationale fondée (founded) en 1863 par un français, Henri Dunant Pour aider les victimes de la guerre (war). Aujourd'hui elle est présente dans tous les pays du monde. Elle aide les victimes des guerres et des catastrophes naturelles. Elle aide aussi dles malades, les pauvres et les personnes seules.

Answer the questions in French :

- 1) Que fait la Croix Rouge
- 2) Dans quels pays trouve-t-on la Croix Rouge ?
Say 'true' or 'false'
- 3) Henri Dunant est analais
- 4) La Croix Rouge n'aide pas les pauvres
- 5) La Croix Rouge est une organisation internationale.

Q. 4. Find the questions for these answers. (10)

- a) Bien sûr, j'ai des copains et des copines aussi!
- b) Non, je n'aime pas visiter les musées.
- c) Allez tout droit et tournez a gauche.
- d) Le film commence à midi.

e) Le weekend, je regarde la télévision ou j'écoute de la musique

Q. 5. Translate into English (10)

Hélène habite un bon quartier, dans un petit studio avec salle de bains, WC et une cuisine assez grande. Elle aime ce quartier parce que les grands magasins ne sont pas loin. Souvent elle va regarder les beaux vêtements ou elle fait les courses dans les grandes surfaces. Et le soir, elle va voir un film dans le cinéma en face. C'est vraiment très agréable d'habiter au milieu de la ville.

Q. 6. Here is classified advertisement in the newspaper about an apartment for sale. Answer the questions after reading the advertisement. (5)

PARIS IVème arrondissement.

A vendre immédiatement : Appart. 4 pièces + jardin, sous-sol, 3 WC. 390 000 francs. Garage compris.

- 1) Est-ce que c'est une maison ou un appartement ?
- 2) Combien coûte-t-il ?
- 3) Combien de pièces y a-t-il ?
- 4) Est-ce qu'il y a un WC pour chaque pièce ?
- 5) Ou peut-on mettre l'auto ?

Q. 7. Where would you go in the following situations?
Fill in the blanks with the right words (5)

- a) cinéma - charcutier - banque - grandes surfaces - fromagerie.
- b) Pour acheter du fromage, on va à la _____

- c) Pour acheter des saucisses on va chez le _____
- d) Quand on veut faire les courses dans un seul endroit on va dans les _____
- e) Pour voir un film au grand écran on va au _____
Pour retirer de l'argent on va à la _____

Q. 8. Here are the dishes that Laurent and Remi order at the restaurant. Fill in the blanks with the correct Partitive articles.

(5)

Pour commencer, ils commandent ___ salade niçoise, puis ___ bouillabaisse avec ___ haricots verts. Pour le dessert ils prennent ___ fruits. Ils ne boivent pas de vin parce qu'ils boivent ___ eau.

Q. 9. Fill in the blanks with the right adjective (5)

- a) Elle choisit une ___ (beau/belle) robe.
- b) J'aime tonne _____ (nouveau/nouvelle) manteau.
- c) Mes chaussures sont trop _____ (vieux/vieilles).
- d) Il a une famille _____ (nombreux/nombreuse).
- e) Quand on n'a pas d'argent on est _____ (malheureux/malheureuse).

Q. 10. Fill in the blanks with the correct possessive adjectives (5)

Voilà une photo de ma famille. Je vous présente _____ père, _____ mère, _____ ma sœur mariée. À sa gauche, voilà _____ mari et _____ deux enfants.

Q.11. Reply to the questions using 'oui', 'si' or 'non' (5)

- a) Vous ne parlez pas le français ? _____, un peu.
- b) Est-ce qu'ils habitent a Lyon ? _____, ils y habitent depuis dix ans.
- c) Elle a des freres ? _____, eille a sculement une sour
- d) Vous n'aimez pas le poisson? _____, j'aime bien le poission
- e) Travaillent-ils dans la ville? _____, ils travaillent loin de la ville.

Q. 12. Complétez avec les verbes au present. (5)

- a) je (préférer) cette chemise blanche
- b) Ils (acheter) des légumes au marché
- c) Est-ce que vous (vendre) votre appartement ?
- d) Nous (choisir) une maison pas loin de la ville.
- e) Que (faire) - tu le weekend ?

Q. 13. Complete the letter written by Anil, an Indian Student. (5)

Mumbai, _____ 3 mars

_____ Pierre,

Je _____ a Mumbai depuis une semaine. Je suis

Content de rentrer chez ____ Ma famille aussi est

très ____ Lundi prochain je ____ commencer mes

cours à l'univresité Ici, très différente de la

France. Les classes sont _____ quelquefois il y a

cent étudiants _____ une classe.

Écris-moi _____ tu as le temps.

_____ Anil.

FRENCH

(Revised Syllabus from June 94)

N.B. : (1) The course will consist of a continuous 1 year integrated course as detailed below. However, there will be 2 separate examinations at the end of the first term and at the end of the second term, respectively known as (a) Term-end Examination, (b) Annual Examination.

(2) The teaching of the entire course as well as both the examinations (Term-end and Annual) will be based on a course book or books to be prescribed from time to time.

(3) Supplementary/additional books and material may be used by the teachers at their own discretion for imparting instruction in a particular language skill like translation, comprehension etc.

Objective :

- (a) Ability to read simple authentic texts which illustrate the grammar and the basic structures.
- (b) Ability to express in learner's own words the contents of the text recommended, both in response to questions as well as in the form of guided composition or a personal letter.
- (c) Ability to translate simple French texts.
- (d) Ability to carry on a simple conversation on topics from everyday life.

Course Content :

- (i) Prescribed Course book and/or prescribed readings in prose and poetry (To be prescribed from time to time).
- (ii) Books recommended for reference and home use:
 - 1. A Bilingual Dictionary.
 - 2. Reference Grammar.

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Oral Test :

(1) (a)	Dictation (unseen passage) 10-12 lines	50% =
10		
(b)	Reading (unseen passage)	25% = 5
(c)	General conversation	25% = 5

		Total..
20		_____
(2)	Annual Examination will consist of only one written paper of 3 hours duration, consisting of 80 marks.	
(a)	Questions based on recommended texts	30% =24
(b)	Questions to test the ability to apply grammatical and lexical items learnt	30% =24
(c)	Translation (French into English)	10% =8
	Translation (English into French)	10% = 8
(d)	Guided composition, and/or personal letter.	20% =16

		Total.. 80

*Books recommended for the academic years
1994-95, 95-96, 96-97.*

- (i) Contes de France by Claire Roe (Orient Longmans)
- (ii) Mauger Bleu 1.

F.Y.B.A. / 106

UNIVERSITY OF PUNE
Circular No. 226 of 2000

Subject : F.Y.B.A. French Syllabus

In pursuance of the decision taken by the University authorities, it is hereby notified for the information of all concerned that F.Y.B.A. French syllabus has been divided in two branches i.e. Beginners and Advanced. The detailed syllabus of both Branches has been prescribed as given in Appendix.

Further, I am to state that (1) Two separate papers will be set and this should be clearly mentioned as options at the time of admission as well as at the time of printing Examination forms. (2) Two Separate Boards of Paper-setters will be appointed for the Question Papers. (Question Paper Pattern is enclosed herewith).

Ganeshkhind,
Pune-411007
Ref. No. CBA/3711
Date : 10-6-2001

N. M. Kadam
for Registrar

ENCLOSURE

UNIVERSITY OF PUNE
REVISED SYLLABUS OF F.Y.B.A. FRENCH
Circular No. 226/2000

(1) F.Y.B.A. (Basic)

Text-book prescribed : Bonne Route I, Hachette, Paris
Grammar : Basic

(2) F.Y.B.A. (Advanced)

- (a) Text book prescribed - Contes de France
- (b) Poetry As Compiled by Board
- (c) Grammar of Studies.
 - Reinforcement of grammar topics studied in Junior College.
 - In addition, following topics to be taught :
 - (i) Conditionnel present,
 - (ii) Paste simple,
 - (iii) Plusque parfait,
 - (iv) Futur antérieur,
 - (v) Subjonctif.

Question Paper Pattern

- (a) Textual questions – 40
- (b) Grammar – 40
- (c) Translation – 10
(French-English)
- (d) Oral Examination – 10
(Dictation)

Total Marks – 100

**Question Paper Format/Pattern and Distribution of
Marks for F.Y.B.A. FRENCH**

1. F.Y.B.A. FRENCH—(Advanced Course)
3 Hours) (100 Marks)

Course Content :

- (a) Contes de France (short stories)
 - (b) Poetry selection (as compiled by B.O.S.)
 - (c) Grammar topics.
—Reinforcement of the grammar topics done in Junior College.
—In addition following topics to be taught :
 - (1) conditional present
 - (2) passe simple
 - (3) plus que parfait
 - (4) futur anterieur
 - (5) subjoiclif.
- (A) Textual Questions 40
(B) Grammar 50
(C) Translation (from French to English) 10

2. F.Y.B.A. (FRENCH) (Beginner's Course)

Course Content :

- (a) Basic Grammatical Structures.
- (b) Basic Vocabulary.

Marks : 100

Division of Marks :

- (a) General question 40
- (b) Grammar 50
- (c) Translation (from French to English) 10

F.Y.B.A. / 109

(12) GERMAN

(Revised Syllabus)

(From 1994)

जर्मन

प्रथम वर्ष बी. ए. वर्गाच्या जर्मन विषयाचे क्रमिक पुस्तक सन १९९७-९८ सालीही तसेच चालू राहील.

**Question Paper Format/Pattern and Distribution
of Marks for F.Y.B.A. GERMAN**

F.Y.B.A.

GERMAN

Duration : 3hours)

(Maximum Marks : 100

1. Content-oriented longish-answer questions on the prescribed Texts (2 out of 3/4). 12
2. Content-oriented short-answer questions of the prescribed Texts (6 out of 7/8). 18
3. A short guided composition or a personal letter. 15
4. Grammar and Vocabulary tests (Questions to test the ability to use core grammar, structures and lexical items).
5. EITHER :
 - (a) Translation of a German (unseen) passage into English or Marathi. 15

OR

- (b) Answering comprehension questions on the same passage. (Questions to be asked and answered in German). 15

N.B. :

(1) The course will consist of a continuous one-year integrated course as detailed below. There will be two separate examinations at the end of the first term and at the end of the second term, respectively known as (a) Term-End Examination, (b) Annual Examination.

(2) The teaching of the entire course as well as both the examinations (Term-End and Annual) will be based on a course-book or books to be prescribed from time to time.

(3) Supplementary/additional books and material may be used by the teachers at their own discretion for imparting instruction in a particular language skill, like translation, comprehension etc.

(4) Since the examination pattern has very little scope to test conversational skill, the teaching should avoid over-emphasis on the unilingual—the so called direct method, irrespective of the prescribed course-book.

Objectives :

- (a) Ability to read fluently easy authentic texts which illustrate the “core grammar” and the “basic structures”.
- (b) Ability to express in the learners’ own words the contents of the texts which have been read, both in response to short-answer and long-answer questions, as well as in the form of guided composition, or a personal letter to relative or friend.
- (c) Ability to translate unseen German texts of the same level as that of the texts envisaged in (a) above.

F.Y.B.A. / 111

- (d) Ability to vary on a simple conversation with the teacher/examiner on topics texts and everyday life.

Course Content :

- (i) Prescribed course-book and/or recommended readings in prose and poetry (To be prescribed from time to time).
- (ii) Books recommended for reference and home use :
1. A bilingual dictionary
 2. Reference Grammar.

Annual (i.e. Final Year-End) Examination will consist of only one written paper :

Duration : Three hours

Max. Marks : 80

Books prescribed for the Academic Years : 1994-95, 1995-96 and 1996-97 (i.e. Annual Examinations in 1995, 1996 and 1997).

1. Prescribed course-book : Any one of the following :
 - (a) Sprachkurs Deutsch 1 by Ulrich Haussermann et al.

OR

- (b) Deutsche Sprechlehre für Ausländer by Schulz and Griesbach.
2. Recommended for reference :
 - (a) Langenscheidt's German-English and English-German Dictionary (Paperback edition or pocket dictionary).
 - (b) Gerhard Helbig / J. Buscha-Kurze Deutsche Grammatik für Ausländer (Leipzig).

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3. Prescribed for textual study :
Schroeder and Kirchhoff : Wir lesen Deutsch-Erster Teil.
First Term : “B” and “C” Texts from Lektionen IV to IX.
Second Term : “B” and “C” Texts from Lektionen X to XV.

(13) RUSSIAN

Objectives :

1. To develop rural and reading comprehension as well as ability to write freely on day-to-day topics.
2. To speak and understand the basic structures in Russian.

First Term

Course Content : Portion to be covered (Lessons 1-15)

Books Prescribed :

‘Russian’ by V.N.Wagner and Y.G.Ovsienko,
Printed by People's Publishing House, New Delhi.

Second Term

Course Content :

Portion to be covered (Lessons : 15-26).

Books Prescribed :

‘Russian’ by V.N.Wagner and Y.G.Ovsienko,
Printed by People's Publishing House, New Delhi.

(a) Middle Indo-Aryan Language

(14) PALI

कुसुमांजली-चतुर्थो भागो, पाठ क्र. १ ते ८

Translation of unseen passage

For Term End : पाठ क्र. १५ ते १७.

Translation of unseen passage.

(15) ARDHAMAGADHI

प्रथम वर्ष बी. ए. अर्धमागधी (प्राकृत)

प्राकृत गद्य-पद्य वेचे : क्रमांक ५

(16) PHILOSOPY

Appendix for
F.Y.B.A. Philosophy

पुणे विद्यापीठ

परिपत्रक क्र. १७२ / २००२

विषय : एफ.वाय.बी.ए. तत्त्वज्ञान विषयाच्या सुधारित
अभ्यासक्रमाबाबत.

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत आहे की, एफ.वाय.बी.ए. तत्त्वज्ञान, तर्कशास्त्र आणि गांधीयन थॉट विषयाचा सुधारित अभ्यासक्रम शैक्षणिक वर्ष २००२-२००३ पासून सोबतच्या परिशिष्टानुसार अमलात आणण्यात येत आहे. तसेच सदर विषयांचे एस.वाय.बी.ए. आणि टी.वाय.बी.ए.वर्षासाठी अभ्यासक्रमाचा आराखडा सोबत जोडला आहे.

गणेशखिंड, पुणे-४११ ००७
जावक्र. सी.बी./३०६१
दिनांक : १४.६.२००२

एम. सी. खानवेलकर
कुलसचिवांकरिता

FYBA PHILOSOPHY

G-I

ETHICS-WESTERN AND INDIAN

(Alternative Course)

Objective : To explain the basic concepts/concerns/framework of Indian and Western thought dealing with moral behaviour and to sensitise students to some important ethical issues confronting us today.

1. Introduction
 - 1.1 Ethics as a branch of Philosophy.
 - 1.2 Morality as the subject matter of Ethics : Customary/reflective morality. Individual/social morality.
 - 1.3 Nature of ethical reasoning : normative, meta-ethical, applied.
 - 1.4 Kinds of moral judgement : Deontic (moral obligation)/Aretaic (moral value).
2. Major trends in Western normative ethics
 - 2.1 Teleology : Egoism, Hedonism, Utilitarianism, Hedonistic calculus.
 - 2.2 Deontology : Good will, Duty, Categorical Imperative.
3. Major concepts/concerns in Indian normative ethics
 - 3.1 Dharma, Rta, Rna, Preyas, Shreyas.
 - 3.2 Karma, Purushartha.
 - 3.3 Jynana, Karma, Bhakti Yoga.
 - 3.4 Four Noble Truths and the Eight fold path.
 - 3.5 Triratna, Vratas, Yama-niyama.

4. Major areas of socio-ethical issues :

4.1 Freedom :

- (i) Occurent/dispositional; positive/negative; freedom from/to.
- (ii) Varieties of constraints : internal/external; positive/negative.
- (iii) Liberty, permission, ability.
- (iv) Self-restraint.

4.2 Rights and Duties :

- (i) Legal/moral-fundamental, human, ideal.
- (ii) Correlation between rights and duties : logical/moral.

4.3 Justice :

- (i) Equality and equity.
- (ii) Comparative/distributive.
- (iii) Principles of distributive justice : merit, desert, need, effort, contribution.

5. Ethical issues concerning right to Life :

5.1 Abortion, Suicide, Euthanasia, Capital Punishment.

5.2 Ecology.

Suggested Books :

- 1. Ethics for Today — H. Titus.
- 2. Social Philosophy — J. Feinberg.
- 3. Ethics — W. Frankena.
- 4. Practical Ethics — P. Singer
(CambridgeUniversity Press).

5. नीतिमीमांसा — प्रा. श्री. ह. दीक्षित
6. नैतिक आणि सामाजिक तत्वज्ञान — प्रा. श्री. ह. दीक्षित
7. पाश्चात्य नीतिशास्त्राचा इतिहास — प्रा. मे. पुं. रेगे
8. गीतारहस्य — बा. गं. टिळक

For References :

1. Applied Ethics—Ed. P. Singer (Oxford University Press).
2. Ethics : A Brief Introduction, R. Solomon—(McGraw Hill).
3. Ethics in Perspective—K. J. Struhl & Struhl (Random House).
4. Jain Ethics, Bhargava Dayanand—(Motilal Banarsidas) 1968.
5. Buddhist Ethics—Saddhatissah (Allen Unwin) 1970.
6. Quest after Perfection—M. Hiriyanna, (Kavyalaya Publication), Mysore, 1982.
7. मानवी स्वातंत्र्य—प्रा. कृ. ना. वळसंगकर (मराठी अनुवाद).

FYBA PHILOSOPHY

G-1

EDUCATION IN HUMAN VALUES

(Alternative Course)

Objective :

- * To make students aware of the importance of human values in life.
- * To sensitise students to the plurality of value systems by which men seek to live their lives.
- * To install in students an appreciation of the values of our Indian Constitution.

I. (a) Notion of Value.

(b) Kinds of value :

- (i) Individual / social
- (ii) Moral / non-moral
- (iii) Instrumental / intrinsic.

(c) Importance of Education in Human Values.

II. Conceptions of a “Good Life”

(i) Some indicators :

Pursuit of excellence, altruism, honesty, transparency, accountability etc.

(ii) Religious value systems :

- (a) Hindu
- (b) Buddhist
- (c) Jain

- (d) Sikh
- (e) Muslim
- (f) Christian.

III. Value crises of today : (Contributing factors)

- (a) Lack of expected values (tolerance, honesty, equity, accountability).
- (b) Changing values.
- (c) Inconsistency, conflict of values.
- (d) Confusion in understanding values.
- (e) Ambiguity in values.

IV. Some contemporary value orientations

- (a) Marxist.
- (b) Gandhian (Sarvodaya).
- (c) Green movement.
- (d) Feminism.
- (e) Ambedkarism.

V. Values of our Indian Constitution within the framework of Democracy, Socialism, Secularism

- (a) Liberty.
- (b) Equality.
- (c) Fraternity.
- (d) Justice.

Suggested Books :

For Reading

1. Eternal Human Values and World Religions —R. P. Dhokalia, NCERT.
2. Indian Constitution : A Philosophical Critique—B. R. Joshi, Pune.
3. Annihilation of Caste—Dr. Ambedkar.
4. Today's Isms—Ebbenstein.
5. Ethics for Today—H. Titus.
6. समता : विचार, व्यवहार, भवितव्य—(सं.) प्रा. रावसाहेब कसबे, दादासाहेब रूपवते फाउंडेशन, मुंबई (निवडक प्रकरणे).
7. वैदिक संस्कृतीचा विकास—तर्कतीर्थ लक्ष्मणशास्त्री जोशी, प्राज्ञपाठशाळा, वाई.
8. हिंदुधर्मसमीक्षा —तर्कतीर्थ लक्ष्मणशास्त्री जोशी, प्राज्ञपाठशाळा, वाई.
9. सर्वधर्मसमीक्षा —तर्कतीर्थ लक्ष्मणशास्त्री जोशी, प्राज्ञपाठशाळा, वाई.
10. भ्रष्टाचार : स्वरूप आणि संदभ—प्रा. नागोराव कुंभार, श्री महात्मा बसवेश्वर महाविद्यालय, लातूर.
11. समाजवादी डॉ. बाबासाहेब आंबेडकर—डॉ. बी. आर जोशी, सुगावा प्रकाशन.

For Reference :

1. Dalit Identity and Politics— G. Shah, Sage Publication.
2. Marx, Phule, Ambedkar —S. Patil.
3. भारतातील समाजवाद, शोध आणि बोध —डॉ. बी. आर जोशी, पुष्प प्रकाशन, पुणे

4. डॉ. बाबासाहेब आंबेडकर यांची घटनासमितीतील भाषणे— डॉ. बी. आर. जोशी (अनुवाद), सुगावा प्रकाशन, पुणे.
5. राजकीय तत्त्वप्रणाली : सिद्धान्त आणि व्यवहार — प्रा. विजय कसबेकर, प्रकाशक : प्रा. शिवाजीराव भोर रावसाहेब शिंदे षष्ट्यब्दीपूर्ती गौरव समिती
6. विसावे शतक आणि समाजवाद— प्रा. कृ. ना. वळसंगकर (अनुवाद), महाराष्ट्र साहित्य संस्कृती मंडळ, मुंबई.

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(17) GENERAL PSYCHOLOGY

N.B. : Topic Nos. 1 to 5 are meant for the Term-End Examination.

Topic 1 : The nature of Psychology and its scientific methods

- 1:1 *A definition of Psychology.
- 1:2 *The work of Psychologists (Branches of Psychology).
- 1:3 *Psychology as a science : Empirical observation; systematic approach and theory, measurement, definition of terms.
- 1:4 *Scientific methods in Psychology : Scientific observation, Experimental method.

Topic 2 : Brain, Behaviour and Experience

- 2:1 *Neurons, structure and functions.
- 2:2 *Central nervous system, spinal cord, Brain stem, reticular formation; Forebrain-Thalamus, hypothalamus, cerebrum, limbic system.
- 2:3 *Major and minor cerebral hemispheres-left hemisphere and Language, right hemisphere, Divided brains.

Topic 3 : Motivation Conflict and Emotions :

- 3:1 The nature of motivation, motivational cycles.
- 3:2 Biological motivation.
- 3:3 Learned goals, drives and needs.
- 3:4 Social motives : Achievement, Affiliation, Power.
- 3:5 Exploration, competence and self-actualization.
- 3:6 Frustration and conflict - Sources of frustration, Types of conflict.
- 3:7 Emotion : Expression and Perception of emotions. Sources of emotional feeling. Pleasure, Fear and Anxiety, Anger and hostility, Depression and grief.

3:8 The Physiology of Emotions.

Topic 4 : Psychological Testing

- 4:1 Introduction and brief history of psychological testing.
- 4:2 Kinds of Tests (Classification)—Achievement, Ability, Personality etc.
- 4:3 Characteristics of a good Test. Reliability, Validity and Norms.
- 4:4 Uses and Limitation of Psychological Tests.
- 4:5 Measurement of Intelligence.
- 4:6 History and definition of intelligency testing e.g. Stanford - Binet Scale Wechsler Scale.
- 4:7 Concept of M.A. and I.Q.
- 4:8 Distribution of intelligencye.

Topic 5 : Personality

- 5:1 *Introduction : Meaning of the term personality
- 5:2 *Traits; Types, Approaches
- 5:3 *Personality as a striving and coping
- 5:4 *Defence Mechanisms as coping patterns
- 5:5 *Determinants of personality development
 - 5:5:1 *Family, Heredity - Environment
 - 5:5:2 *Peer-group
 - 5:5:3 *School
 - 5:5:4 *Society
- 5:6 *Personality Measurement
 - 5:6:1 * Paper and Pencil tests - Questionnaires, MMPI EPPS
 - 5:6:2 * Projective methods—IAT Rorschach, Sentence completion.

Topic 6 : Sensory processes

6:1 *Sensory channels : Receptor stimulation

6:2 *Vision :

6:2:1 *The physical stimulus for vision

6:2:2 *Structure of the eye and seeing

6:2:3 *Retina and Seeing

6:2:4 *Visual experience of form, hue and brightness

6:3 *Hearing :

6:3:1 *Physical stimulus for hearing (Delete measurement of physical sound intensity and complex waveforms)

6:3:2 *Structure and functioning of the ear

6:3:3 *Auditory experience of pitch, loudness and timbre

Topic 7 : Attention and Perception

7.1 *Nature of attention

7.1.1 *Determinants of attention,

7.1.2 *Phenomena of attention—span of attention; distraction and fluctuation of attention, division of attention.

7.2 *Perception

7.2.1 *Form perception—figure and ground, contours, organization

7.2.2 *Constancy of perception : size and brightness

7.2.3 *Depth perception : Monocular and Binocular

7.2.4 *Movement perception : Real and apparent motion.

Topic 8 : Learning

8:1 *Definition of learning, different methods of learning.

8:2 *Trial and Error—Thorndike Insightful Learning Kohlor

8:3 *Classical conditioning

- * Introduction - Basic concepts
- * Classically conditioned responses
- * Extinction and Spontaneous Recovery in classical conditioning
- * Stimulus generalization and discrimination in classical conditioning
- * Significance of classical conditioning

8:4 Operant Conditioning :

- * Introduction
- * The basics of operant conditioning
- * Shaping
- * Comparison of classical and operant conditioning

8:5 * Primary and secondary reinforcement positive and negative

8:6 * Negative reinforcement

8:6:1 * Punishment : difference between punishment and negative reinforcement. Determinants of effective punishment, Uses of punishment

8:6:2 * Significance of Operant Conditioning

Topic 9 : Human Learning and Memory :

9:1 *Memory Stages : Introduction

9:1:1 *Atkinson-Shiffrin model of Memory.

9:1:2 *The sensory register

9:1:3 *The short term store and rehearsal buffer

9:1:4 *The long term store

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- 9:2 *Levels of processing and amount of elaboration
 - 9:2:1 * Comparison of ‘Stages’ view and ‘levels’ view;
 - * Elaboration.
- 9:3 *Long-term Memory
 - 9:3:1 * Encoding and storage of information, Role of organization and imagery, encoding for retrieval.
 - 9:3:2 * Long-term memory organization : The tip of the tongue phenomenon, semantic and episodic memory.
 - 9:9:3 * Retrieval for Long-term Memory.
- 9:4 *Forgetting :
 - 9:4:1 * Methods of measuring memory
 - 9:4:2 * Encoding, Organization and retrieval problems
 - 9:4:3 * Interference (Delete Memory of texts)
- 9:5 *Efficient Learning and Remembering
 - 9:5:1 * Skill learning : Stages, Role of feedback, distribution of practice and transfer
 - 9:5:2 * Study methods and verbal learning :
Planning, elaborated rehearsal, organization, feedback, Review, Transfer effects in verbal learning.

Topic 10 : Thinking and Problem Solving

- 10:1 *The Thinking Process.
 - 10:1:1 * Introduction
 - 10:1:2 * Images,
 - 10:1:3 * Verbal Thinking.

- 10:2 *Concepts :
- 10:2:1 *Definition.
- 10:2:2 *Types of Concepts :
- (i) Conjunctive, (ii) Disjunctive, (iii) Relational
- 10:2:3 *Factors affecting concept attainment :
- (i) Transfer
- (ii) Distinctiveness
- (iii) Ability to manipulate the materials
- (iv) Instructional set,
- (v) Simultaneous availability of relevant information.
- 10:3 *Problem Solving :
- 10:3:1 *Rules in problem solving
- 10:3:2 *Habit and set in problem solving
- 10:4 *Decision Making
- *Heuristics and biases in decision making :
- Representativeness, Availability, Adjustment
- *Weighing alternatives.
- 10:5 *Creative Thinking :
- 10:5:1* Introduction
- 10:5:2* Insight in creative thinking
- 10:5:3 * Stages in creative thinking
- 10:5:4 * Nature of creative thinking : Convergent and divergent, reaction with intelligence.
- 10:5:5 *Personality traits of creative thinkers.

Books Recommended

Text Books :

1. Morgan, King and Robinson :
Introduction to Psychology, 7th Edn., Mc Graw-Hill
Introduction to Psychology, by Kimble and other,
Wiley Eastern.

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2. Parmeshwaran E.G., C.Beena :
Invitation to Psychology, Tata-McGraw-Hill Publishing
Company Ltd., New Delhi.
3. Garrett : General Psychology, E.P.H.

Reference Books

1. Munn and others : Introduction to Psychology, Oxford.
2. Atkinson, Hilgard : Introduction to Psychology,
Oxford.
3. Sarason & Others - Introduction to Psychology, Wiley.
4. Mayber - Introduction to Psychology, Wiley.

मराठी संदर्भ ग्रंथ

१. र. वि. पंडित - सामान्य मानसशास्त्र (म. वि. ग्रं. नि. मंडळ)
२. डॉ. बोरुडे, डॉ. देशपांडे - माध्यमिक मानसशास्त्र (गो. य. राणे
प्रकाशन)
३. गोगटे, देशपांडे, भागवतवार - सामान्य मानसशास्त्र (पत्र ३ व ४).
४. डॉ. पांढरीपांडे - प्रारंभिक मानसशास्त्र.

PSYCHOLOGY

G1 : General Psychology Syllabus

1. To acquaint the student with the basic concepts of psychology.
2. To help the student to understand the relations of biological and psychological aspects of behaviour.
3. To relate the fundamental principles of psychology to everyday life.
4. To arouse intellectual curiosity and build an appreciation of how psychology can increase students' understanding of the world around them.

Topic I : Nature, scope and methods of psychology

(Total periods for teaching : 8)

Periods per unit

- (2) 1.1 Definitions and historical Perspective
- (2) 1.2 Branches of psychology
 - (A) Physiological
 - (B) Abnormal
 - (C) Comparative
 - (D) Developmental
 - (E) Social
 - (F) Industrial and Organizational behaviour
 - (G) Clinical and counselling
 - (H) Educational
 - (I) Sports psychology
 - (J) Psychology of women
- (1) 1.3 Schools of psychology
Structuralism, Functionalism, Gestalt, Psychoanalysis, Behaviourism, Humanistic.
- 1.4 Scientific methods : scope and limitations
- (3) (A) Introspection (B) Naturalistic observation
(C) Systematic observation (D) Experimental Method.

Topic 2 : Biological bases of behaviour

(Total periods for teaching 12)

periods per unit

- (3) 2.1 Neurons : Its structure and function, synapse and neurotransmitters.
- (3) 2.2 Central nervous system : Structure and function of spinal cord and brain.
- (3) 2.3 Peripheral nervous system : Autonomic nervous system (ANS) and Somatic nervous system (SNS)
- (3) 2.4 Endocrine Glands : Functions and effects of pituitary, pineal, thyroid, parathyroid, adrenal, gonads and thymus glands.

Topic 3 : Motivation and emotion

(Total periods for teaching 12)

periods per unit

- (1) 3.1 Nature of motivation : Definition and motivational cycle.
- (2) 3.2 Maslow's hierarchy:ordering *motivational needs*.
- (3) 3.3 (A) Biological needs : Hunger, thrust, sex, maternal drive.
(B) Social motives : Achievement, affiliation, power, frustration and conflict of motives
- (3) (A) Sources of frustration : Environmental and personal
(B) Various types of conflict
 - (a) Intrapersonal (b) Interpersonal
 - (c) Intragroup (c) Intergroup.
- 3.4 Emotion
- (3) (A) Nature and definitions
(B) Physiological bases of emotions.
(C) Fundamental emotion : Pleasure, love, fear and anxiety, anger and hostility.
(D) Emotional expression.

Topic 4 : Consciousness

(Total periods for teaching 12)

periods per unit

- (3) 4.1 Levels of consciousness
(A) Sleep : Definition, stages, types, abnormalities in sleep. (B) Dream : Nature and definition, theories of dream, importance of dream.
- (3) 4.2 Hypnosis : Nature and definition, characteristics, theories of hypnotism, uses of hypnotism.
- (3) 4.3 Meditation : Definition, biological and mental experiences in meditation, techniques of meditation.
- (3) 4.4 Drugs and their effects
(A) Stimulants (B) Depressants
(C) Narcotics (D) Hallucinogens

Topics 5 : Human abilities

(Total periods for teaching : 12)

periods per unit

- (1) 5.1 Nature and definitions of Intelligence
- (3) 5.2 Theories of intelligence
(A) Spearman's old and revised model
(B) Thurstone's multi factor Theory
(C) Garden's theory of multiple-intelligence
(D) Guilford's structure of intelligence
(E) Sternberg's triarchic theory.
- 5.3 Measurement of Intelligence
- (2) (A) Basic concepts : C.A., M.A., I.Q., D.Q.
(B) Distribution of Intelligence in population
- (2) 5.4 Individual differences in intelligence
(A) Mental retardation (B) The gifted
- (2) 5.5 The Aptitude : Nature definition and measurement of aptitude.
- (2) 5.6 Creative thinking
(A) Nature of creative thinking : convergent and divergent
(B) Stages in creative thinking
(C) Insight in creative thinking
(D) Personality traits of creative thinkers.

Topic 6 : Personality

(Total periods for teaching : 12)

period per unit

- (3) 6.1 Nature and definition
 - (A) Misconceptions about personality
 - (B) Allport's definition of personality
- (3) 6.2 Type and trait Model
Allport, Cattell, Eysenck, and Big five Model
- (3) 6.3 Development of Personality
 - (A) Stage Model : Freud, Erikson
- (3) 6.4 Assessment of Personality
 - (A) Self-report inventories
 - (B) Projective methods
 - (C) Behavioural measures

Topic 7 : Sensation

(Total periods for teaching : 12)

period per unit

- 7.1 Vision
 - (4) (A) Structure and function of the eye
 - (B) Phenomena related to vision
Duplication theory of Photoreceptors, colour vision, theories of colour vision.
 - (C) Abnormalities in vision Night blindness, colour blindness.
- 7.2 Audition
 - (4) (A) Structure and function of ear,
 - (B) Physical characteristics and auditory experiences. Frequency, amplitude, pitch, loudness, timber, beats, difference in tone.
- 7.3 Other senses
 - (4) (A) Chemical senses
(smell and taste)
 - (B) Tactile senses.

Topic 8 : Perception

(Total periods for teaching : 10)

period per unit

- (2) 8.1 Attention : Definition and nature
- 8.2 Nature of perception
 - (A) Definition
 - (B) The Gestalt laws of organization.
- (4) Closure, proximity, similarity, simplicity, figure and ground.
 - (C) Feature analysis
 - (D) Top-down and Bottom-up processing
- 8.3 Perceptual phenomenon
- (4) (A) Perceptual constancy
- (B) Motion perception
- (C) Perceptual illusions.

Topic 9 : Learning

(Total periods for teaching : 12)

period per unit

- (2) 9.1 Definition and contemporary views of learning
- 9.2 Methods of learning I :
 - (3) (A) Trial and error method : Thorndike's laws of learning
 - (B) Insight learning : Kohler's experiments
- 9.3 Methods of Learning II :
 - (A) Classical conditioning.
Association, extinction, spontaneous recovery, generalization, discrimination, higher order conditioning.
 - (B) Operant conditioning
- 9.4 (C) Comparison of classical conditioning and operant conditioning
- (D) Role of reinforcement in conditioning
- 9.5 Cognitive Approaches to Learning
- (2) (A) Latent Learning
- (B) Observational Learning

Topic 10 : Memory

(Total periods for teaching : 10)

period per unit

10.1 Memory

- (A) Definition
- (B) Types of memory
- (3) (a) Short-term memory
- (b) Long-term memory
Declarative, procedural, semantic,
episodic, TOT

10.2

- (3) (A) Atkinson and Shiffrin Model of memory
(Encoding, storage and retrieval)
- (B) Levels of processing
- (C) Flashbulb Memories

10.3 Forgetting :

- (A) Nature & causes of forgetting
- (2) (a) Trace decay theory
- (b) Interference theory

10.4 Improvement in Memory

- (A) Mnemonic Devices
- (B) Effective learning methods

Important Note :

1. As far as possible the weightage for per topic should be equal.
(Approximate 10% or 24 marks)
2. Essay type questions should cover at least three subunits of the topic.
3. If an essay type question is asked on a particular topic, short answer question should not be asked on the subunits of that topic already covered in essay type.

List of Books

1. Feldman, R. S. : Understanding Psychology, McGraw-Hill, New York, 1996, 4th ed.
2. Bernstein D. A., Roy E. J., Snull T. K., Wickens C. D. : Psychology, Houghton Mifflin, Boston, 1991, 2nd ed.
3. Gleitman H. : Basic Psychology, W. W. Norton, N. Y., 1996, 4th ed.
4. Davideft L. L. : Introduction to Psychology, McGraw-Hill, N. Y., 1987, 3rd ed.
5. Morgen C. T. : King R. A. et al Introduction to Psychology (TMH) Tata Mc-Graw-Hill, Delhi, 1993, 7th ed.

(18) EDUCATION

Unit I :

1.1 Meaning of education and educational process :

- (a) General concept of education.
- (b) Process of Education-Bipolar-Tripolar.

1.2 Relation of education and philosophy :

- (a) What is philosophy ? Its meaning, nature and need.
- (b) Their inter-relationship with special reference to aims and curriculum of Education.

Unit II :

(a) Roussou's thoughts on education :

- (i) Stages of child development.
- (ii) Negative education.
- (iii) Curriculum.

(b) Pestalozzy :

- (i) His educational experiments
- (ii) His contribution to methodology and "Teacher Education" and curriculum.

(c) Herbert Spencer :

- (i) Principles of curriculum.
- (ii) Maxims of teaching.

(d) John Dewey : John Dewey and his activity approach to education with reference to project method and problem solving method.

Unit III :

Aims of Education :

(a) Characteristics of Gurukula system.

(b) Aims of education (Ancient India).

- (i) Infusion of party and religiousness.
- (ii) Character formation.
- (iii) All sided development of personality.
- (iv) Incultation of civic and social duties.
- (v) Promotion of social efficiency and social happiness.
- (vi) Preservation and spread of national culture.

- (c) Aims of education in modern times with reference to 'Kothari Commission'
 - (i) Promotion of national productivity.
 - (ii) Modernization.
 - (iii) Social and national integration.
 - (iv) Development of democratic values.
 - (v) Development of moral and religious values.
- (d) Constitutional provisions. Equality of educational opportunity.

Unit IV : Individual and social aims of education :

- (i) Individual aims.
- (ii) Social aims.
- (iii) Their reconciliation.

Unit V : Sociology and Education :

- (i) The subject matter of Sociology-General Idea.
- (ii) Concept of educational sociology and its characteristics.
- (iii) Role and functions of Educational Sociology.

Unit VI : School as a social institution :

- (i) Criteria of a social institution.
- (ii) School as social institution.
- (iii) Role and functions of school in developing character of students.
- (iv) Role and functions of school in developing national integration.
- (v) Role and functions of school in developing democratic citizenship.

Unit VII : Pre-Primary and Primary Education :

- (a) Pre-Primary and Primary Education in Maharashtra.
 - (i) Concept of Pre-Primary Education.
 - (ii) Need and importance of Pre-Primary Education today.
 - (iii) Objectives of Pre-Primary Education.
 - (iv) The Present position of Pre-Primary Education in Maharashtra.
- (b) Constitutional provision and present position in Maharashtra.
- (c) Problems of wastage and stagnation.
 - (i) Single-teacher.
 - (ii) Equipments.

Unit VIII : Role of mass media in education :

1.1 Meaning of mass media.

1.2 Functions of mass-media (Press, Radio, T.V. media).

- (a) Recreation.
- (b) National outlook.
- (c) Provision of updating knowledge.
- (d) Promoting social awareness and international understanding.

Books for Study

1. Doctrines of the Great Educators—Robert R. Rusk, The Macmillan Press Ltd.
2. Some Great Western Educators—S.P.Chaube, Ram Prasad and Sons, Agra 3.
3. पाश्चात्य शिक्षणातील विचारप्रवाह - प्रा. विश्वंभर कुलकर्णी, प्रा. रा. तु. भगत, युनिव्हर्सल पब्लिकेशन, कोल्हापूर.

4. Seven Indian Educationists— A. Bishwas and J. C. Agrawal, Publication—Arya Book Depot, New Delhi.
5. Recent Educational Philosophies in India — S.P. Choube,
6. शिक्षणाचे शिल्पकार - बोकील आणि बापट.

Reference Books

1. Development of Educational Theory and Practice — R. N. Sataya and B. D. Shaid, Dhanpal Rai and Sons, Jullunder, Delhi.
2. Principles and Methods of Education — J. S. Wadis, Paul Publishers, N.N.11, Gopalnagar, Jullunder.
3. Sri Arobindo and the Master of Education, Publication—Sri Arobindo Ashram, Pondichery.
4. महात्मा ज्योतीराव ते कर्मवीर भाऊराव - लेखक रा. तु. भगत.
5. Ancient Indian Education — G. S. Altekar.
6. Report of the Indian Education Commission, 1964./166 (Kothari Commission).
7. लोकसंख्या शिक्षण - शिक्षणशास्त्र संस्था, पुणे.
8. शैक्षणिक तत्त्वज्ञान आणि शैक्षणिक समाजशास्त्र - म. बा. कुंडले
9. प्राचीन काळातील शिक्षण (ग्रीक, रोम, चीन व भारत) - प्रा. के. ना. देशपांडे व प्रा. आ. ल. माळी, नूतन प्रकाशन, पुणे-३०.
10. मध्ययुगीन शिक्षणाचा इतिहास - प्रा. के. ना. देशपांडे, प्रा. आ. ल. माळी, नूतन प्रकाशन, पुणे-३०.

(19) HISTORY

General Paper I

Indian Freedom Movement (1857-1947)

Period required

1. Rise and growth of British power in India—
 - 1.1 A brief survey 2
 - 1.2 Impact of the British policies on Indian Social and economic life 3
 - 1.3 Indian Renaissance - Raja Ram Mohan Roy 2
2. Rising of 1857 6
 - 2.1 Causes
 - 2.2 Nature
 - 2.3 Extent
 - 2.4 Consequences
3. Social and Religious Reform Movements
 - 3.1 Dayanand Saraswati 1
 - 3.2 Vivekanand 1
 - 3.3 Mahatma Phule 1
 - 3.4 Savarkar 1
 - 3.5 Chh. Shahu 1
 - 3.6 Dr. Ambedkar 1
 - 3.7 Impact of the reform movements on Indian Social life and thought 2
4. Administrative Policies of the British Government
 - 4.1 Famine 2
 - 4.2 Education 2
 - 4.3 Judiciary 1
 - 4.4 Press 1
 - 4.5 Local Self Government 1

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5. Indian National Congress
 - 5.1 Events and ideas leading to the foundation of the Indian National Congress 3
 - 5.2 Achievement of the Congress from 1885 to 1905 3
 - 5.3 Work of the moderates 4
 - (a) Dadabhai Naoroji (b) Phirozshah Mehta
 - (c) Ranade (d) Gokhale
 - 5.4 Partition of Bengal 2
6. Lokmanya Tilak and the rise of the extremists
 - 6.1 Lokmanya Tilak 2
 - 6.2 Surat Congress and the Split 1
 - 6.3 Morley-Minto Reforms 2
 - 6.4 Home Rule Movements 1
 - 6.5 Revolutionary Movement and the Revolutionary Societies 3
 - (a) The Anushilan Samiti (b) Abhinav Bharat
 - (c) Ghadar Party
7. The Mont-Ford Reforms
 - 7.1 Circumstances leading to the reforms 2
 - 7.2 Contents 1
 - 7.3 Dyarchy 2
8. Mahatma Gandhi and the National Movement
 - 8.1 Non Co-operation Movement 2
 - 8.2 Swarajya Party 2
 - 8.3 Civil Disobedience Movement, 1930 2
 - 8.4 Round Table Conference 2
9. Government of India Act, 1935
 - 9.1 Outline 2
 - 9.2 Significance 2

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10.	Muslim League and the National Movement	4
10.1	Foundation of Muslim League	
10.2	Lucknow Pack	
10.3	Khilaphat Movement	
10.4	Two-Nation Theory	
11.	Last phase of the Freedom Struggle	
11.1	Cripps Mission	1
11.2	Quit India Movement	2
11.3	Subhaschandra Bose and Azad Hind Fauz	2
11.4	Wevell Plan	1
11.5	Cabinet Mission	1
11.6	Mountbatten Plan and Partition of India	2
11.7	The Indian Independence Act, 1947.	1

Books for Study

1. Ram Gopal—British Rule in India.
2. Suda, J. P.—The Indian National Movement.
3. Mahajan, V. D.—Fifty Years of Modern India.
4. Gupta, D. C.—Indian National Movement.
5. Bipin, Chandra, Tripathi and Barun De—Freedom Struggle.
6. कुलकर्णी, पाटील, देशपांडे – आधुनिक भारताचा इतिहास.
7. जावडेकर, श. द. – आधुनिक भारत.
8. देशपांडे, प्र. न.०१५० आधुनिक भारताचा इतिहास.

Books for Reference

1. Ram Gopal—How India Struggle for Freedom ?
2. Shiva Rao, B.—Indian Freedom Movement.
3. Majumdar, R. C.—History of Freedom Movement.
4. Indian Council of Historical Research, New Delhi—Makers of Modern India
5. प्रधान, ग. प्र.—स्वातंत्राचे महाभारत.
6. पंडित, नलिनी—महाराष्ट्रातील राष्ट्रवादाचा विकास.
7. तळवलकर, गोविंद—नवरोजी ते नेहरू.
8. बेडेकर व भणगे—भारतीय प्रबोधन.
9. तळवलकर, गोविंद—सत्तांतर, भाग १ व २.

परिपत्रक क्र. १२७/१९९९

विषय : एफ.वाय.बी.ए. इतिहास विषयासाठी संदर्भ ग्रंथ.

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, एफ.वाय.बी.ए. इतिहास विषयासाठी खालील संदर्भ ग्रंथ म्हणून मान्यता देण्यात आलेली आहे :

पुस्तकाचे नाव	लेखक	वर्ग
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भारताचा स्वातंत्र्य संग्राम	प्रा. स. मा. गर्गे व	एफ.वाय.बी.ए.
	प्रा. सुहास राजदरेकर	

(20) MUSIC

Note : The student will not be permitted to learn 'Music' as private candidate.

Portion under G-1 (Sem.I) and G-2 (Sem.II) will constitute General Paper I under 85-Pattern. Portion under G-1 (Sem.I) will be prescribed for the Term-End examination.

Theory

Paper will be of 40 marks and of 2 hours' duration for the term-end examination and the annual examination.

Practical (I)

There will be practical examination at the end of the first term and will coincide with the term-end examination. This will be of 20 marks and the portion prescribed for this will be the same as that prescribed for the practical under G-1 (Sem.I).

Practical (II)

There will be another and final practical examination that will coincide with annual examination and will be of 40 marks. Portion prescribed for this will be the same as that prescribed under practical for G-2 (Sem.II). However 25% marks will be for the portion under Practical I Examination. The above scheme will be applicable for all the remaining papers under this course.

(Passing in both theory and practical examination is compulsory.)

(20 a) VOCAL & INSTRUMENTAL CLASSICAL MUSIC

THEORY

1. Notation writing of :

(i) Chhota-Khyal (छोटा ख्याल) or Rajakhani Gat (रजाखानी गत) from the following Ragas :

1. आसावरी, 2. हमीर, 3. पटदीप, 4. भूप.

(ii) The following Talas (ताल) :

1. त्रिताल, 2. द्रुत, 3. दादरा, 4. विलंबित एकताल, 5. तिलवाडा.

2. Definitions of the following technical terms :

- | | | |
|---------------------|--------------|--------------|
| 1. राग | 2. सप्तक | 3. पूर्वांग |
| 4. उत्तरांग | 5. कण स्वर | 6. मींड |
| 7. बडा व छोटा ख्याल | 8. थाट | 9. आलाप |
| 10. आश्रयराग | 11. जमजमा | 12. तोडा |
| 13. स्वर | 14. वक्रस्वर | 15. ग्रहस्वर |
| 16. अनुवादी | 17. जात | |

3. Detailed theoretical description of the Ragas mentioned above.

4. Short accounts of the contribution of the following artists music :

- | | |
|-----------------------------------|---------------------------|
| 1. कै. पं. वि. द. पलुसकर | 2. पै. अल्लादिया खाँसाहेब |
| 3. श्रीमती अंजलीबाई मालपेकर | 4. कै. पं. ओंकरनाथ ठाकूर |
| 5. कै. गायनचार्य भास्करबुवा बखले. | |

PRACTICAL

Ability to :

(i) Sing (or play) one Chhota-Khyal (छोटा ख्याल) or Rajakhani Gat (रजाखानी गत) in each of the following : Ragas (राग) with Alap (आलाप) and Tanas or Jod Todas (जोड व तोड) :

1. आसावरी, 2. हमीर, 3. पटदीप, 4. भूप.

- (ii) Sing (or play) the Raga (रागविस्तार) of the above mentioned (Vistar) (राग) Ragas.
- (iii) Know and recite the Theka-Bolas (ठेका बोल) of the Talas (ताल) while Tabla is being played :
1. त्रिताल, 2. एकताल, 3. दादरा, 4. विलंबित एकताल, 5. तिलवाडा.
- (iv) Recognise the Ragas studied from the Swar-Samoohas (स्वरसमूह) sung or played by the examiner.

THEORY

1. Notation writing of :
Chhota-Khyal (छोटा ख्याल) or Rajakhani-Gat (रजखानी गत) from the following Ragas (राग) :
 1. शंकरा, 2. भैरव, 3. बागेश्री, 4. देस.
2. General knowledge of the following topics :
The Talas (ताल) studied in the first term.
 1. नादांचे गुणधर्म 2. प्रचलित दहा थाट व त्यांचे स्वर
 3. स्वरलेखन पद्धती 4. रागांच्या जाती 5. चतुरंग
 6. तंबोरा 7. धृपद 8. आधुनिक व्यवस्था
 9. मार्गी व देशी संगीत 10. विवाद स्वर 11. समकृति राग.
3. Detailed theoretical description of the Raga mentioned above.
4. Ability to write the 'Raga-Vistar' (रागविस्तार) of the Ragas mentioned above.
5. Topics for Essay :
 1. जीवनात संगीताचे स्थान 2. हिंदुस्थानी वाद्ये व त्यांचे प्रकार
 3. 'स्वरलेखन पद्धती'—एक वरदान 4. संगीताचे सांस्कृतिक महत्त्व
 5. संगीतात तालाचे महत्त्व.

PRACTICAL

1. Ability to :

(i) Sing (or play) one Vilambit-Khyal (विलंबित ख्याल) or-Maseetkhani-Gat (मसीतखानी गत) with Swar-Vistar (स्वरविस्तार), Alap (आलाप) and Tana (ताना) or Alap Jod (जोडा), Tode (तोडे) and Zala from the following Ragas :

1. शंकरा 2. भैरव 3. बागेश्री 4. देस.

(ii) Sing Chhota-Khyal (छोटा ख्याल) or Rajakhani-Gat (रजाखानी गत) in the Ragas mentioned above.

(iii) Know and recite the Theka-Bolas (टेका बोल) of the Talas (ताल) studied in the first term.

(iv) Recognize Shuddha - Vikrut-Swaras (शुद्ध विकृत स्वर)

and Ragas sung or played by the examiner, as well as reproduction of the Swaras (स्वर) or Songs heard on the spot.

(v) Sing (or play) :

1. तराना 2. भजन किंवा धून 3. चतुरंग.

सांगीतिक मानसशास्त्र व संगीत शिक्षणाची आधुनिक पद्धती (१९८२), लेखक डॉ. एस.आर. नाईक, धुळे, प्रकाशक : पुणे विद्यापीठ.

(20 b) TABLA
THEORY

Time : 2 Hours

1. Notation writing of :
टेकाबोल (ताल) (ताल व नोटेशन)
 1. त्रिताल (विलंबित व मध्य) 2. एकताल (विलंबित द्रुत)
 3. झपताल 4. चौताल 5. दीपचंदी
 6. भजनी ठेका 7. धुमाळी 8. दादरा
 9. केरवा 10. रूपक (तिहाई) (तुकडे)(मुखडे).
2. Definitions of the following technical terms :
 1. लय (ठाय-मध्य-द्रुत) 2. मात्रा 3. आवर्तन
 4. ठेका 5. सम 6. मुखडा
 7. तुकडा 8. मोहरा 9. पल्टा
 10. दुगुण 11. काल.
3. Topics for Essay :
 1. चर्म-वाद्यांत तबल्याची लोकप्रियता
 2. तबला व मृदंग यांचे ताल व वैशिष्ट्ये
 3. तबल्याचा उगम व विकास
 4. गायनाची व वाद्यांची साथसंगत करण्याच्या पद्धती
 5. भारतीय तालवाद्यांची परंपरा.

PRACTICAL

(40 Marks)

1. Talas prescribed :
 1. त्रिताल (विलंबित व मध्य) 2. एकताल (विलंबित व द्रुत)
 3. झपताल 4. चौताल 5. दीपचंद
 6. भजनी ठेका 7. धुमाळी 8. दादरा
 9. केरवा 10. रूपक.हे ताल मूळ लयीत व दुपटीस वाजविता येणे. त्याचप्रमाणे हाताने ताल देऊन हे ठोके मूळ लयीत व दुपटीने तोंडाने म्हणता येणे.
2. Knowledge of :
 1. तिन्ही लयींचे ज्ञान.
 2. खालील बोल तबल्यावर वाजविता येणे. ना, धीं, धीं, ता, तीं, तिरिकट, त्रक, तिट, तूना, धिरिकट, धागे, कडांथा, कत्ता, गै, कितक, धागेना, धात्रक, दिनगिन.

THEORY

1. Notation writing of the following Talas (ताल) in Dugun (दुगुण) and Chougun (चौगुण) showing Matras (मात्रा), Khand (खंड), Sam (सम) and Khali (खाली) :

- | | | |
|------------|-----------|-----------|
| 1. त्रिताल | 2. एकताल | 3. झपताल |
| 4. चौताल | 5. रूपक | 6. दीपचंद |
| 7. दादरा | 8. केरवा. | |

2. Knowledge of the following topics :

- | | |
|---|----------------------|
| 1. तालाच्या उत्पत्तीची कारणे | 2. तबल्याचे दहा वर्ण |
| 3. तबला स्वरात मिळविण्याची पद्धत व नियम | |
| 4. तबल्याची बाज घराणी | |
| 5. तबला-डग्गा व पखवाज यांची माहिती | |

3. Short accounts of the contributions of the following artists to Tabla :

- | | |
|-------------------------------------|----------------------|
| 1. उस्ताद अहमदजान थिरकवाँ
महाराज | 2. पं. कंठे |
| 3. पं. सामता प्रसाद | 4. श्री. लालजी गोखले |
| 5. श्री. नारायणराव इंदोरकर | |

PRACTICAL

1. त्रिताल व झपताल यांत चार सरळ कायदे, चार मुखडे, चार तुकडे व तिहाई वाजविता येणे.
2. एकतालातील तीन तुकडे, तीन तिहाई, दोन कायदे व दोन रेले वाजविता येणे.
3. दादरा व केरवा यांत काही प्रकार वाजविता येणे.
4. गाण्याची व वाद्य वादनाची साथ-संगत करता येणे.

(20) (c) VOCAL LIGHT MUSIC

First Term

THEORY

1. Notation writing of :
 - (i) Stage-Songs in the following Ragas :
 1. आसावरी 2. हमीर 3. पटदीप 4. देस.
 - (ii) The following Talas (ताल) :
 1. त्रिताल 2. केरवा 3. द्रुत एकताल
 4. दादरा 5. झपताल 6. रूपक
2. General knowledge of :
 1. पद 2. अभंग 3. लोकगीत 4. लावणी.
3. Writing of 'Raga-Vistar' (रागविस्तार) of the Ragas mentioned above.
4. Detailed theoretical description of the Ragas mentioned above.
5. Short accounts of the contribution of the following artists to stage music :
 1. कै. बालगंधर्व 2. कै. श्रीमती हिराबाई बडोदेकर
 3. कै. सवाई गंधर्व 4. श्रीमती ज्योत्सना भोळे.

PRACTICAL

Ability to :

- (i) Recognize and reproduce Shuddha-Vikrut-Swaras (शुद्ध विकृत स्वर) of song-heard on the spot.
- (ii) Sing at least one stage song, song in each of the following Ragas with Alap and Tana (आलाप व ताना) :
 1. आसावरी 2. हमीर 3. पटदीप 4. देस.

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- (iii) Know and recite the Theka-Bolas (टेकाबोल) of the following Talas (ताल) while Tabla is being played:
- : 1. त्रिपाल 2. केरवा 3. द्रुत एकताल
4. झपताल 5. रूपक 6. दादरा.
- (iv) Sing 'जनगणमन', 'वंदेमातरम्' and 'भारतीय ध्वजगीत'
- (v) Sing Raga-Vistar (राग-विस्तार) of the Ragas mentioned above.
- (vi) Recognize the Ragas from the Swara-Samoohas (स्वर-समूह) sung (or played) by the examiner.
- (vii) Sing 'Abhang' (अभंग) or Devotional Song (भक्तिगीत).

Second Term

THEORY

1. Notation writing of :
 - (i) The Stage Songs in the following Ragas :
 1. बागेश्री 2. शंकरा 3. भैरव 4. भूप.
 - (ii) The Talas (ताल) prescribed for Term.
2. Detailed theoretical description of the Ragas mentioned above.
3. Definitions of the following technical terms :
 1. स्वर 2. कणस्वर 3. मींड
 4. आलाप 5. वक्रस्वर 6. विवादी स्वर
 7. अनुवादी स्वर 8. ताल 9. लय
 10. मात्रा 11. सम 12. ठेका
 13. आवर्तन.

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4. Writing of the 'Raga-Vistar' (राग-विस्तार) of the Ragas mentioned above.
5. Topics for Essays :
 1. महाराष्ट्रातील नाट्यसंगीत
 2. सिनेसंगीत
 3. भावगीत गायन
 4. लोकसंगीत
 5. लोकनाट्याचे संगीत.

PRACTICAL

Ability to :

- (i) Sing at least one Stage-Song (नाट्यगीत) in each of the following Ragas with Alap (आलाप) and Tana (ताना) :
 1. बागेश्री
 2. शंकरा
 3. भैरव
 4. भूप.
- (ii) Know and recite the Theka Bolas (ठेकाबोल) of the Talas (ताल) prescribed for Term-I, while Tabla (तबला) is being played.
- (iii) Sing two traditional Abhangas (पारंपरिक अभंग) or Devotional Songs (भावगीते).
- (iv) Sing Samooha Geet (समूहगीत), Swatantrya-Geet (स्वातंत्र्यगीत) and Bhavgeet (भावगीत).
- (v) Sing Raga-Vistar (राग-विस्तार) of the Ragas mentioned above.
- (vi) Recognize the Raga from the Swar-Samoohas (स्वर-समूह) sung (or played) by the examiner.

**(21) ANCIENT INDIAN HISTORY AND
CULTURE AND ARCHAEOLOGY**

1. Source of Ancient Indian History.
2. Pre-Mauryan Political History :
(i) Shishunaga Dynasty (ii) Nandas
3. Foreign Invasions :
(i) Persian Invasion.
(ii) Greek Invasion with special reference to
Alexander's Invasion.
4. Mauryas.
5. Shungas and Kanva Dynasties.
6. Satavahanas.
7. Shaka-Kshatrapas and Kushanas.
8. Guptas.
9. Vakatakas
10. Pallavas
11. Huna Invasion
12. Vardhanas
13. Chalukyas.

Books Recommended

9. प्रा. गायधनी, रं. ना. व डॉ. राहुरकर व. ग.— प्राचीन भारताचा
सांस्कृतिक इतिहास, पुणे, १९५८, कॉटिनेंटल प्रकाशन.

Books for Reference

1. Ed. Mujumdar, R. C.—The Age of the Imperial Unity,
Bombay, 1951.
2. Ed. Mujumdar, R. C.—The Classical Age, Bombay,
1951.
3. Dandekar, R. N.—History of the Guptas, Pune, 1941.
4. मिराशी, वा. वि.—वाकाटकनृपती आणि त्याचा काळ, नागपूर,
१९५७.

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5. डॉ. म. के. ढवळीकर, प्रा. गायकवाड, डॉ. गो. वा. देगलूरकर
— प्राचीन भारतीय इतिहास आणि संस्कृती (Maharashtra
Vidya-peeth Granth Nirmiti Mandal, Nagpur).
6. वा. वि. मिराशी — सातवाहन-शक-क्षत्रप नृपतीचे कोरीव लेख
(महाराष्ट्र साहित्य संस्कृती मंडळ, मुंबई)
7. लोहार, र. मु. — प्राचीन भारतीय संस्कृती.
8. Bash—The Wonder that was India.
9. Mahajan V.D. - Ancient India.

(22) ECONOMICS

Appendix to
F.Y.B.A. Economics

पुणे विद्यापीठ

परिपत्रक क्र. १७०/२००२

विषय : प्रथम वर्ष अर्थशास्त्र विषयाच्या सुधारित
अभ्यासक्रमाबाबत.

या परिपत्रकाद्वारे सर्व संबंधितांस विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार असे कळविण्यात येत आहे की, प्रथम वर्ष अर्थशास्त्र विषयाचा सुधारित अभ्यासक्रम जून २००२ पासून अमलात आणण्यास येईल.

गणेशखिंड, पुणे-४११ ००७
जावक्र. सी.बी./३०५९
दिनांक : १४.६.२००२

एम. सी. खानवेलकर
कुलसचिवांकरिता

F.Y.B.A. Economics-General Paper-I

(Revised Syllabus)

From June 2002

Circular No. 170/2002

G-1-INDIAN ECONOMY

SECTION-I

1. INDIAN ECONOMY AT THE TIME OF INDEPENDENCE

- 1.1 Salient features of Indian Economy at the time of Independence.
- 1.2 Characteristics of the Indian Economy as a less developed economy.

2. STRUCTURE OF THE INDIAN ECONOMY & ECONOMY OF MAHARASHTRA.

- 2.1 Features : Natural Resources- Land, Water and Forest Resources.
- 2.2 Population :- Broad features, size and growth rates- sex composition --Rural Urban Migration occupational distribution- Problems of over population, population policy.

3. NATIONAL INCOME

- 3.1 Concept & measurement of National Income.
- 3.2 Trends in National Income.
- 3.3 Difficulties in measuring National Income in India.

4. PLANNING IN INDIA

- 4.1 Background of Indian planning-National Planning, Committee, Bombay Plan, Peoples Plan, Gandhian Plan, The Planning Commission.
- 4.2 Objectives & Strategy of Indian Planning.
- 4.3 Achievements & Failures of Five-Year Plan.

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- 4.4 Current Five Year Plan - Objectives, Allocations & Targets.
- 4.5 New Economic Reforms.
- 4.6 Planning in Maharashtra Objectives & Strategies.

SECTION-II

5. AGRICULTURE

- 5.1 Place of Agriculture in Indian Economy.
- 5.2 Agricultural Productivity-Causes of Low Productivity.
- 5.3 Land Reforms - Abolition of Intermediaries, Tenancy Reforms Ceiling on Land Holdings.
- 5.4 Green Revolution.
- 5.5 Sources of Agricultural Finance.
- 5.6 Agricultural Marketing - Defects & Remedies.
- 5.7 Broad Features of Agricultural Economy of Maharashtra.
- 5.8 Agro-based industries in Maharashtra.

6. INDUSTRY

- 6.1 Industrial Development during the planning period.
- 6.2 Industrial Policy of 1948, 1956, 1977, 1991, (F.E.M.A.)
- 6.3 Growth & Problems of Small Scale Industries.
- 6.4 Industrialization in Maharashtra.

7. FOREIGN TRADE

- 7.1 Role of Foreign Trade.
- 7.2 Composition & direction of India's Foreign Trade.
- 7.3 Concept of Balance of Trade & Balance of Payments.

8. POVERTY & UNEMPLOYMENT

- 8.1 Concept of Poverty- Measurement of Poverty - Causes of Poverty- Measures for removal of Poverty.
- 8.2 Nature & Types of Unemployment.

BASIC READING LIST

- * Datt, R and Sundharam, K.P.M. (2001), Indian Economy, S. Chand & Co. Ltd. New Delhi.
- * Dhingia, I.C. (2001) The Indian Economy - Environment & Policy, Sultan Chand & Sons, New Delhi.
- * Misra, S. K. & Puri, V. K. (2001), Indian Economy - its development experience, Himalaya Publishing House, Mumbai.

ADDITIONAL READING LIST

- * Government of India, Economic Survey (Annual), Economic Division, Ministry of Finance New Delhi.
- * Planning Commission (1999) Ninth Five-Year Plan, Government of India, New Delhi.
- * Ahluwalia, I.J. and Little I.M.D. (Eds.) (1999), India's Economic Reforms and Development (Essays in honor of Manmohan Singh), Oxford University Press, New Delhi.
- * Jalan, B. (1992), The Indian Economy : Problems and Prospects, Viking, New Delhi.
- * Parikh K.S. (1999), India Development Report- 1999-2000, Oxford University Press, New Delhi.
- * Datt, R. (Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Publications, New Delhi.

F.Y.B.A. Economics-General Paper-I
G-1-Agricultural Economics
(From June 2002)

PREAMBLE :

The importance of agriculture in the Indian Economy hardly needs to be emphasized. The paper on agricultural economics highlights important aspects of the agricultural development & Planning in India. The paper is split into many chapters, each chapter discusses an aspect of Indian agriculture & role of agriculture in Indian Economy.

SECTION-I

1. RURALECONOMY OF INDIA

- 1.1 Characteristics of Rural Economy.
- 1.2 Diversification of agriculture - agriculture & allied activities (Fisheries, Horticulture, Floriculture)
- 1.3 Forestry in India - Growth, Problems & State Policy
- 1.4 Cattle Wealth of India & Dairying

2. DEVELOPMENT OF AGRICULTURE

- 2.1 Role & Importance of Agriculture in Economic Development.
- 2.2 Trends in Agricultural Growth, since 1950-51.
- 2.3 Agricultural Productivity - Regional Variations, Causes of Low Productivity, Remedies.
- 2.4 Cropping Pattern in India, since 1951, factors affecting cropping pattern - physical, Technical & Economic.
- 2.5 Irrigation in India.

3. LAND REFORMS IN INDIA

- 3.1 The abolition of Intermediaries.
- 3.2 Tenancy Reforms
- 3.3 Ceiling on Land Holdings
- 3.4 An appraisal of Land Reforms

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- 4. TECHNOLOGICAL CHANGES IN AGRICULTURE**
 - 4.1 Traditional & Modern Technology in Agriculture.
 - 4.2 New agricultural Strategy & Green Revolution.
 - 4.3 Dry land farming
 - 4.4 Use of Bio-Technology
 - 4.5 New Agricultural Technology & Employment

SECTION-II

- 5. AGRICULTURAL FINANCE**
 - 5.1 Need for agricultural credit
 - 5.2 Sources of agricultural credit in India–Non Institutional & Institutional.
- 6. AGRICULTURAL MARKETING**
 - 6.1 Problem of agricultural Marketing in India
 - 6.2 Measures adopted to solve this problem
 - 6.3 Regulated Markets
 - 6.4 Co-operative Marketing
 - 6.5 Warehousing in India
- 7. AGRICULTURAL PRICES**
 - 7.1 Incentives in agriculture - Price & Non Price incentives - input subsidies.
 - 7.2 Agricultural Price Policy in India - Objectives, instruments & evaluation.
 - 7.3 Commission for agricultural costs & prices.
- 8. 50 YEARS OF INDIAN AGRICULTURE**
 - 8.1 An overview of agricultural development.
 - 8.2 Under employment & unemployment in the rural Economy.
 - 8.3 Globalization & its effects on Indian agriculture.

BASIC READING LIST

1. Indian Economy : (44th Revised edition 2001)
Ruddar Datta and KMP
Sundarm
2. Agricultural Problems in India : (3rd edition)
Sadhu A.N. and J. Singh
(Himalaya Publishing
House, Mumbai)
3. An Introduction to Agricultural: (2nd edition)
Economics Bilgrami S.A.R. (2000)
(Himalaya Publishing
House, Mumbai)
4. Rural Development : (3rd edition)
Sundaram I.S.
(Himalaya Publishing
House, Mumbai)
5. Indian Economy : Latest edition
Agrawal, A. N.
(Vishwa Prakshan-
New Delhi)

ADDITIONAL READING LIST

1. Government of India, Economic Survey (Annual), New Delhi.
2. Government of India, Ninth Five-Year Plan (1997-2002)
Vol.I & II, Planning Commission, New Delhi.
3. Reserve Bank of India, Hand Book of Statistics on Indian
Economy (Annual).
4. Leading Issues in Agricultural Economics (2000) -- Soni R. N.
(Arihant Press, Jalandhar).

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F.Y.B.A - ECOMOMICS - G 1
MAHARASHTRA IN INDIAN ECONOMY
(Optional Paper)
(Old Course)

SECTION I

	Lectures	Marks
1. Features of Economy of Maharashtra and its place in the Indian Economy Natural Resources, Human Resources State Income. Per capita income, relative Population of Maharashtra since 1061 onwards-standard of living poverty and unemployment	10	10
2. Agriculture in Maharashtra : Agricultural productivity-problem and policies-Irrigation-Green Revolution Agricultural price policy Monopoly Purchase of cotton-Employment Guarantee scheme of Maharashtra Co-operative credit to agriculture in Maharashtra	10	10
3. Industry in Maharashtra : Growth of Industry—structure of Industry-Factors affecting Industrialisation in Maharashtra-small scale and cottage Industries-problems and prospects	10	10

SECTION II

4. Indian Agriculture :
Agricultural Development during
8th plan-Agricultural Finance in India
Institutional : Co-operative, commercial
banking and NABARD - Agricultural
Marketing problems and policies, Price
Policy for Agricultural products 15 10
5. Industrial Development :
State of Industrialisation on the eve
of New Industrial Policy, 1991.
Structure of Indian Industry :
Public sector, private sector, joint
sector, Definition and nature of
organised large industries and small
scale, Tiny industries, New Industrial
Policy, 1991. concept of liberalisation,
Foreign Direct Investment, Quality of
Industrial Production, ISI and AGMARK 10
6. Regional imbalances in India - courses
and remedies 3 10
7. Collection and Tabulation of Economic Data :
Frequency distribution, Preparation and
presentation of charts, graphs, and diagrams
on Economic information, measures of central
tendency-mean, mode, median, quartiles. 15 20
- N. B. :- There shall be a compulsory question of Twenty
marks on topic No. 7. including internal option.*

संदर्भ ग्रंथ - पुस्तके - वाचन साहित्य - यादी

- (1) Indian Economy and the Economic problems of Maharashtra (page 221 to 408) - Dr. Mukund Mahajan, Nirali Prakashan, Pune-2.
- (2) भारतीय अर्थव्यवस्था आणि महाराष्ट्राची अर्थव्यवस्था – डी. संतोष दास्ताने, प्रो. वि. ज. गोडबोले, श. द. गीत, सेठ पब्लिकेशन, पुणे-२.
- (3) महाराष्ट्र कृषि अर्थव्यवस्था- प्रा. दत्ताजीराव साळुंके, प्रा. जगन्नाथ पवार, महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर.
- (4) महाराष्ट्राची संक्षिप्त सांख्यिकी, १९९१, अर्थ व सांख्यिकी संचालनालय, महाराष्ट्र शासन, मुंबई.
- (5) Report of the act Finding Committee on Regional Imbalance in Maharashtra - V. M. Dandekar Committee, Govt. of Mahatrashttra Planning Dept., Bombay, 1984.
- (6) Industrial in Maharashtra - Dr. B. R. Sabade, Maharatta Editor, Maharatta Chamber of Commerce and Industry, Tilak Road, Pune - 2.
- (7) Economy of Maharashtra - Edited by S. H. Deshpande, Samaj Probodhan Sanstha, Pune.
- (8) महाराष्ट्र, १९९५-९६ – संतोष दास्ताने, दास्ताने रामचंद्र आणि कं., पुणे.
- (9) शेती व पाणी (नियोजन व धोरणासंबंधी काही प्रश्न) - अण्णासाहेब शिंदे.
- (10) Indian Economy - Problems of Development and Planning - A. N. Agrawal, Vikas Publishing Hosue, New Delhi (Latest ed.).
- (11) Indian Economy - Dutt and Sundharam, (Latest ed.).
- (12) Indian Economy-Misra and Puri, (Latest Ed.)
- (13) Practical Business Mathematics - Bari, S. A. New Literature Publication Company, 65, M. G. Road, Mumbai 1.
- (14) Fundamentals of Statistics - S. C. Gupta, Himalaya Publishing House.

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F.Y.B.A.—BANKING

ECONOMICS—G 1

Optional Paper

(Old Syllabus)

SECTION I

	Lectures	
Marks		
1. Evolution of Banking : Definition of bank and banking, Origin of the concept of bank and banking as a business. Evolution of Banking in the West and in India.	4	10
2. Classification of Banks :		
(a) Functional Classification : Commercial banks, Agricultural banks, Industrial banks, Co- operative banks, Central banks, Savings banks, Exchange bank, International banks, Deposite and Investment Banking.	10	05
(b) Organizational Classification : Unit banking, branch banking, Group banking, features, advan- tages and disadvantages, Bank in Public Sector, Private Sector and Co-operative Sector-Objec-		

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	tives, organisation and working.	10	05
3.	Functions of Commercial Banks :		
	(a) Primary Functions :		
	Acceptance of deposits, mobilisation of saving, different types of deposits, scheme of deposit, mobilisation, Advancing loans, Discounting of Bills.		
	(b) Secondary Functions :		
	Credit creation, Process of credit creation and limitations.		
	Lending and investment policy of bank, balance sheet of a Commercial bank, investment policy-safety, liquidity, profitability and social responsibility concepts.	16	20
4.	Categories of Customers :		
	Individual and institutional, Methods of remittance : Draft, Mail transfer, Telegraphic transfer, Types of cheques, Opening and Operations of bank accounts. Consumer protection to Bank customer.	8	10

SECTION II

5.	Money Market and Capital Market : Definitions–Difference between money and capital market, characteristics of Indian money market, and capital market	8	10
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6. Central Bank :
Functions of Central Bank, Instruments of credit control, Quantitative and selective credit controls, concept of development bank and non-banking financial institutions, Distinction between a Bank and non-banking financial institutions. 20 20
7. Accounting Practices :
Computation of interest on saving recurring and time deposits, Simple and compound interest, Discounting of bill of exchange, Average due date simple annuities, valuation of shares. Valuation of assets as security against loans. 20 20

N.B. : There shall be a compulsory questions of Twenty marks on topics No. 7 including internal option.

Books Recommended

- (1) Modern Banking—R. S. Sayers, Oxford, Clarendon Press, London.
- (2) Banking Law and Practice in India—N. L. Tandon, 3rd Edition, Butter Worth and Company Ltd.
- (3) Modern Banking—M. C. Vaish, Oxford and IBH Publishing Company, New Delhi, Bombay and Calcutta.
- (4) Banking Theory and Practice—K. C. Shekhar, Vani Education Books, New Delhi.

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- (5) Modern Banking : Nature and Problems-Vasant Desai (Latest Edition), Himalaya Publishing House, New Delhi.
- (6) RBI : Functions and Workings, RBI Publication, Bombay (only for related topics), 1984.
- (7) बँक व्यवसाय व वित्तीय संस्था – प्रा. बी. डी. कवडे, अजब पुस्तकालय, कोल्हापूर.
- (8) अधिकोश व नाणेबाजार – डॉ. श्री. आ. देशंपाडे, विद्याप्रकाश, नागपूर.
- (9) बँक व्यवसाय व बँका – रा. का. बर्वे, गाज प्रकाशन, अहमदनगर.
- (10) बँकिंगची मूलतत्त्वे आणि प्रात्यक्षिक बँकिंग – डॉ. एस. एन. कुलकर्णी, डॉ. आर. आर. बेराड, प्रा. सुहास काणे, प्रा. (सौ.) लीला कुलकर्णी : निराली प्रकाशन, पुणे.
- (11) Practical Business Mathematics—Bari, S. A. New Literature Publishing Company, 65, M. G. Road, Mumbai 1.
- (12) Fundamentals of Statistics—S. C. Gupta, Himalaya Publishing House, Mumbai.

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F.Y.B.A.
Economics of Industries (Old)
Optional Paper

Marks		Lectures
	SECTION I	
1.	<i>Business Unit :</i> Plant, Firm and industry, Optimum Firm Factors influencing the optimum size of firm-Growth of the Firm-Expansion. Vertical and Horizontal, Diversification.	15 10
2.	<i>Forms of Industrial Organisation :</i> Proprietorship, Partnership, Joint stock-companies. Forms of organisation of Public enterprises : Departmental—Under takings, Public corporations and company, Autonomy and Accountability.	15 20
3.	<i>Industrial Location :</i> Weber's Theory and Florence's Theory of Industrial Location—Factors influencing Location of industry.	20 20
	SECTION II	
4.	<i>Localization of Industry :</i> Concentration of Industries; meaning, factors leading to concentration, Effects of concentration, Measures of Dispersal Advantages of Decentralisation.	15 20

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|--|----|----|
| 5. Sources of Industrial Finance :
Deposits, equity shares, preference
shares, bonds and debentures, loans
and advances. | 10 | 05 |
| 6. Industrialisation & Economic Development :
Concept of Industrial sickness and
remedial measures, Quality of Industrial
production, ISI, AGMARK | 5 | 05 |
| 7. Quantitative problems on ratio and
proportions, percentages. Index
Numbers of Industrial production and
prices, profit and loss A/C, Dividend
distribution, Insurance claims. | 18 | 20 |

N.B. : There shall be a compulsory question of
Twenty marks on topic No. 7 including
internal Option.

Books Recommended

1. A Beacham and Cunningham : Economics of Industrial Organisation, Pitman Publishing, London.
2. R. R. Barthawal : Industrial Economics, Wiley Eastern Ltd., New Delhi.
3. P. L. Gadgil and P. C. Gadgil : Industrial Economy of India, S. Chand and Company (1985 Edition).
4. E. A. G. Robinson : Structure of Competitive Industry, London.
5. A. K. Mukherjee : Economics Indian Industry, Chand and Company Ltd., New Delhi (1986, Edition).
6. प्रा. शांता पाटील, प्रा. लीला पाटील : औद्योगिक अर्थशास्त्र, महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर.

7. S. A. Bari : Practical Business Mathematics, New Literature Publishing Company, Bombay.
8. S. C. Gupta : Fundamentals of Statistics, Himalaya Publishing House, Bombay.
9. वलस ँकडुडे, वलदुड ँकडुडे : ँडुडुगलक अरुथशऱसुतुर.
10. दऱसुतऱने-कुलककुणुडु डेरऱड : ँडुडुगलक अरुथशऱसुतुर, सेठ डडुललशऱसु, डुणुडे, १९९ॡ.

F.Y.B.A. ECONOMICS (G)

**Demography and population Education Old
(Optional Paper) Introduced from June 1998**

Objectives of the Course/Paper

1. To acquaint to the with the knowledge of principles of population.
2. To emphasis the relationship between population and economic development.
3. To inculcate among students the desire to have a smaller family in future and a sence of responsible perent hood.

SECTION I

	Lectures	Marks
1. Demography–Definition, Meaning Nature, scope, Demography and its relation with economics and Geography.	10	10
2. Population Theories Mathas Theory of Population optimum Theory of Population-Theory of Demographic Transition Population Dynamics, Density and growth of world Population over time.	18	20
3. Size and composition of Population Physical Characteristics of population age, sex, race Social Characteristics/Vertical Maths, residence, Literacy and education religion Economic characteristics occupation, Industry,		

SECTION II

- | | | |
|--|----|----|
| 4. Condition of Indian Population (1991)
Urban distribution, sex, ratio, Distribution
of Population by age and occupation.
Population in India and environment Dynamics of
Population growth in India 1951-1991. Population
Policy in India since 1976. Role of NSC
and media in Population Education. | 13 | 10 |
| 5. Concept of Population Need for
Population Education. Objectives of
Population education in India-Population
education and quality of Life. Quality
consumption and consumer protection
Act 1986. | 15 | 20 |
| 6. Measure of Population density and
Distribution Economic and Geographic
density of Population Central tendency
of Population distribution crude birth rate
and crude death rate. Wet reproduction
rate, population projection. | 20 | 20 |

N.B. : There will be a compulsory question of
Twenty marks on topic No. 6 Including
option internal option.

Books Recommended

1. Dr. Bhende Asha & Kanitkar Tara 'Population Studies' Himalaya, Mumbai 6th Ed. 1994.
2. Malthus An essay on principles of population
"Edited by A. Fle., Pelican classes Penguin Books
1970."
3. Sharma C. 'Population Resources, Environment and
Quality of Life' Handbook on Population Education,
Mumbai 1981, P 67 to 75.

4. Misra S. D. 'An Introduction to the study of population South Asian publication Pvt. Ltd., 2nd Edn. 1995.
5. Srivastav O. S. 'Demography and population studies' Vikas Publication House, New Delhi, 2nd Ed. 1994.
6. Sadawarte A. D. 'Population Education' States Institute of Education, Pune, 1982.
7. Govariker Vasant 'Inevitable A Billion plus N.B.T. New Delhi, 1994.
8. Sing Yashoda 'Population Trends and population Education'. Seth Publishers, Mumbai 1981.
9. कानिटकर तारा, कुलकर्णी सुमती, "लोकसंख्या शास्त्र", विद्या प्रकाशन, पुणे, १९७९
10. अहिरराव वा. र. व इतर, "लोकसंख्या", निराली प्रकाशन, पुणे -२, १९९४.
11. World Bank, 'World Development Report, 1997, Oxford University Press, 1997 (Latest Preferred)
12. Department of family welfare New Delhi, Lecturer Series on Population Education, New Delhi, 1962, pp.3 to 14.
13. Bari 'Practical Business Mathematics', New Literature, Publishing Co. Mumbai.
14. Gupta 'Fundamentals of Statistics', Himalaya Publishing House Mumbai.

परिपत्रक क्र. १२८/१९९

विषय : एफ. वाय. बी. ए. अर्थशास्त्र विषयासाठी क्रमिक पुस्तक व संदर्भ ग्रंथ.

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, “लोकसंख्याशास्त्र व लोकसंख्या शिक्षण” डॉ. एस. एन. कुलकर्णी व डॉ. सतीश श्रीवास्तव या लेखकांचे पुस्तक एफ. वाय. बी. ए. च्या “लोकसंख्याशास्त्र व लोकसंख्या शिक्षण” या विषयासाठी क्रमिक पुस्तक म्हणून व डॉ. र. पु. कुरूलकर यांचे “महाराष्ट्राची अर्थव्यवस्था” हे पुस्तक एफ. वाय. बी. ए. या वर्गाच्या “भारतीय अर्थव्यवस्थेतील महाराष्ट्र” या पेपरसाठी संदर्भ ग्रंथ म्हणून नेमण्यात येत आहे.

(23) POLITICS

(From June 1996)

G 1—Modern Political Ideologies

1. Nationalism—
 - (a) Meaning, Definition, Evolution
 - (b) Elements of Nationalism
 - (c) Typology of Nationalism.
2. Democracy—
 - (a) Meaning, Definition, Evolution
 - (b) Types of Democracy
 - (c) Evolution of Democracy.
3. Democratic Socialism—
 - (a) Democracy and Socialism
 - (b) Types of Democratic Socialism
 - (c) Fabianism, Guild Socialism, Syndicalism
 - (d) Democratic Socialism in India.
4. Marxism—
 - (a) Materialistic interpretation of History—Historical Dialecticism
 - (b) Class Conflict
 - (c) Whithering away of the State.
5. Fascism—
 - (a) Rise of Fascism
 - (b) Fascist State
 - (c) Is Fascism an ideology ?
6. Gandhism—
 - (a) Bases of Gandhian Thought
Satya, Ahimsa, Satyagraha
 - (b) Gandhi on State
 - (c) Gandhian Economic Ideas
 - (d) Evaluation and Relevance.

List of Books

Texts—

1. Verma V. P. : Political Philosophy, Laxminarayan Publications, Agra, 1980.
2. Verma V. P. : Modern Political Theory, Vikas Publication House, Delhi, 1985.
3. Verma S. L. : Modern Political Theory, Meenakshi Publications, New Delhi and Meerat, 1980.
4. तिजारे, रा. अ. पेशवे आ. अ. आणि पांढरीपांडे : आधुनिक राजकीय सिद्धान्त, मंगेश प्रकाशन, नागपूर, १९९३.
5. गर्दे, दि. का. : राज्यशास्त्र सिद्धान्त, काँटिनेंटल प्रकाशन पुणे, १९७५.
6. नवलगुंदकर, अ. ना. : सुलभ आधुनिक राज्यशास्त्र व सिद्धान्त, अनमोल प्रकाशन, पुणे, १९७४.
7. बाचल, वि. मा. : आधुनिक राजकीय तत्त्वप्रणाली, सुविचार प्रकाशन पुणे, १९७८.

References—

1. Ebenstein : Today's Isms, Prentice Hall, New Delhi.
2. International Encyclopaedia of Social Sciences, 1975.
3. गर्गे, स. मा. (संपा.) : भारतीय समाजविज्ञान कोश, समाजविज्ञान मंडळ, पुणे-५
4. कसबेकर विजय : राजकीय तत्त्वप्रणाली, सिद्धान्त आणि व्यवहार, अँड. रावसाहेब शिंदे गौरव समिती, श्रीरामपूर, १९९३-९४.

OR

Optional Paper

Local Self Government in India

(Special Reference to Maharashtra)

1. Local Self-Government : Meaning and Significance.
2. Democratic Decentralization in Independent India—
 - (a) Concept and meaning
 - (b) Committees on Democratic decentralization.
 - (i) Balwantraji Mehta Committee
 - (ii) Naik Committee
 - (iii) Patil Committee.
3. Panchayat Raj Institutions in Maharashtra—
 - (a) Organizations
 - (b) Powers
 - (c) Functions
 - (d) Finance of—
 - (i) Zilla Parishads
 - (ii) Taluka Panchayat Samiti
 - (iii) Grampanchayats.
4. Urban Local Bodies in Maharashtra—
 - (a) Organization
 - (b) Powers
 - (c) Functions
 - (d) Finance of—
 - (i) Municipal Corporations
 - (ii) Municipal Councils.
5. Election process and leadership in Local Self-Government Institutions in Maharashtra.
6. Evaluation : Role and Performance of Local Government Bodies in Maharashtra.
 - (i) Panchayat Raj Institutions
 - (ii) Urban-Local Bodies.

List of Books

Texts—

1. Maheshwari S. R.: Local Self Government in India, Orient Longman, 1971.
2. Avasthi A. (ed.) : Municipal Administration in India, L. N. Agrawal, Agra, 1972.
3. Mutahib M. A. : Theory of Local Government, Sterling Publications, New Delhi.
4. Sharma M. P. : Local–Self–Government in India, Munshiram Manoharial, New Delhi, 1978.
5. बाचल वि. मा. : नायगावकर सुधाकर, स्थानिक स्वराज्य, सुविचार, पुणे.
6. दर्शनकार अर्जुन, लोकप्रशासन, पंचशील प्रकाशन, औरंगाबाद

प्रथम वर्ष राज्यशास्त्र क्रमिक पुस्तक (जून १९९७ पासून)

१. प्रा. देशमुख, डी. के. : आधुनिक राजकीय विचारप्रणाली

परिपत्रक क्र. १२६/१९९९

विषय : प्रथम वर्ष कला वर्गाच्या राज्यशास्त्र विषयासाठी
संदर्भ ग्रंथ.

विद्यापीठ अधिकार मंडळाच्या निर्णयानुसार सर्व संबंधितांना कळविण्यात येते की, “आधुनिक राजकीय विचारप्रणाली” प्रा. अ. ना. कुलकर्णी, विद्या प्रकाशन, नागपूर हे पुस्तक एफ.वाय.बी.ए. वर्गासाठी क्रमिक पुस्तक म्हणून नेमण्यात येत आहे.

(24) SOCIOLOGY

(General Sociology) G-1

	No. of Lectures
I. Nature and Scope of Sociology	8
(a) Definition of Sociology	2
(b) Brief review of the development of Sociology	2
(c) Subject-matter and Scope of Sociology	2
(d) Importance and uses of Sociology	2
II. Basic Concepts—(Meaning and Characteristics only)	
(a) Sociology Likeness, Difference, Interdependence and Cooperation	2
(b) Social structure, Institutions, Norms, values, Sanctions, Role and Status	6
(c) Functions and Disfunctions—Manifest and Latent.	
(d) Social system	3
(e) Social organization	2
III. Social Groups	
(a) Meaning and Nature	2
(b) Typology of Social groups	2
(c) Meaning, nature and importance of :	3
(i) Primary and Secondary	
(ii) In-group out-group	
(iii) Reference groups	
IV. Culture (Refer Johnson also)	9
(a) Meaning and Nature	2
(b) Characteristics of culture	2
(c) Structural elements, knowledge, belief, norms and values, symbols	2
(d) Functions of culture	2
(e) Ethnocentrism and cultural relativism	1

- V. Socialization (Refer K. Davis) 8
- (a) Definition, meaning and essential elements, biological bases and conditions of socialization 3
 - (b) Agencies of Socialization—Authoritarian and equalitarian Family, Peer Group Educational Institution 2
 - (c) Adult Socialization
 - (d) Re-Socialization 3
- VI. Social Processes
- (a) Co-operation
 - (b) Competition
 - (c) Conflict
 - (d) Accommodation
 - (e) Assimilation
- VII. Religion (Refer K. Davis)
- (a) Meaning, Nature Sacred and Profane
 - (b) Theories of the origin of Religion Animism, Naturism
 - (c) Functions and Dye Functions
 - (d) Religion and Magic
 - (e) Religion and Science
- VIII. Social Stratification
- (a) Meaning and Nature
 - (b) Social Stratification and Social differentiation
 - (c) Types of stratification (Caste and Class)
 - (d) Social Mobility and types of Mobility—vertical, Horizontal Intra and Inter-generational mobility
 - (e) Open and closed society
 - (f) Functional necessity of Stratification

- IX. Social Control (Refer Johnson)
- (a) Meaning, nature and need
 - (b) Conformity and deviation
 - (c) Formal and informal means of Social Control.
- X. Social Change
- (a) Meaning and nature
 - (b) Rate and direction of change
 - (c) Theories of Social change—cyclical, linear, deterministic, evolutionary
 - (d) Factors of social change—Biological, Physical, Technological, Cultural.

Books Recommended

1. Vidyabhushan and Sachadev — Introduction of Sociology.
2. K. Davis—Human Society
3. H. M. Johnson – A Systematic—Introduction to Sociology.
4. Horton and Hunt—Sociology.
5. मा. शं. सोमण - समाजशास्त्र
6. नागमोडे - समाजशास्त्र
7. भगवान बारबिंड् - सामाजिक संस्था

तृतीय वर्ष साहित्य वर्गाच्या समाजशास्त्र (सामान्य / विशेषस्तर)

विषयाच्या प्रश्नपत्रिकेचे स्वरूप/आराखडा)

- (१) गुणपत्रिका एकूण १०० गुण.
(२) वेळ ३ तास.
(३) प्रत्येक पेपरला १०० गुण.
(४) प्राश्निकांनी पुढील सूचना लक्षात घेऊन पेपर तयार करणे.
(५) सर्व प्रश्न सोडविणे आवश्यक
(६) सर्व प्रश्नांना समान गुण.
- प्रश्न १ : निबंधवजा पहिल्या सत्राच्या २०
किंवा अभ्यासक्रमावर
निबंधवजा २०
- प्रश्न २ : निबंधवजा दुसऱ्या सत्राच्या २०
किंवा अभ्यासक्रमावर
निबंधवजा
- प्रश्न ३ : खालीलपैकी कोणत्याही दोनची उत्तरे लिहा : २०
(अ) पहिल्या आणि दुसऱ्या
(ब) सत्राच्या अभ्यासक्रमावर
(क) प्रत्येकी दोन
(ड) प्रश्न असतील
- प्रश्न ४ : खालीलपैकी कोणत्याही चारवर टीपा लिहा : २०
(अ)
(ब) पहिल्या
(क) सत्राचा
(ड) अभ्यासक्रम
(ई)
(फ)
- प्रश्न ५ : खालीलपैकी कोणत्याही चारवर टीपा लिहा : २०
(अ)
(ब) दुसऱ्या
(क) सत्राचा
(ड) अभ्यासक्रम
(ई)
(फ)

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(25) GEOGRAPHY

UNIVERSITY OF PUNE

Circular No. 258 of 2002

Subject : Revised Syllabus of F.Y.B.A Geography

It is hereby notified for the information of all concerned that, the University Authorities have decided as below : One paper of F.Y.B.A and three papers of F.Y.B.Sc. are revised as enclosed.

The above decision will come into force from Academic Year 2002-2003.

Ganeshkhind,
Pune-411007.
Ref. No. : CB/S/Geogr/4124
Date : 19.6.2002

Sign. _____
For Registrar.

F.Y.B.A. - GEOGRAPHY

Course No.Gg - 110 - Physical Geography (G-1)

OBJECTIVE OF THE PAPER/COURSE :

- i) To introduced the student the basic concepts in Physical Geography.
- ii) To acquaint the student with the utility and application of Physical Geography in different areas and environment
- iii) To make the students aware of the need of protection and conservation of different landforms.

**SECTION - I
LITHOSPHERE**

NO.	UNIT	SUB-UNIT	NO. OF PERIODS
1.	Introduction to Physical Geography	a) Meaning, nature and scope b) Elements and branches of Physical Geography	02
2.	Lithosphere	a) The earth - its interior, composition and structure b)Crustal movements, Wagner's Theory of Continental drift, Isostacy and Plate Tectonic Theory	03 06 03
3.	Diastrophic Movement	a) Process of folding & faulting, causes and effects b)Volcanism and earthquake, causes effects c) Causes, Consequence and distribution of earthquakes in India	03 03 03

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4. Rocks	Classification of rocks on the basis of origin. Properties of different rocks.	03
5. Weathering	a) Meaning and types of weathering (Physical, Chemical, Biological) b) Definition, types of mass movement and land slides	03 03
6. Agents of Erosion and Deposition	a) Landforms of river erosion and deposition b) Landforms created by Sea Waves c) Landforms of mountains and Valley Glaciers d) Landforms created by wind	03 03 03 02

SECTION - II

ATMOSPHERE AND OCEANOGRAPHY

7. Atmosphere	a) Composition b) Structure	02 03
8. Insolation	a) Heat budget of the earth b) Horizontal distribution of temperature c) Vertical distribution of temperature	06
9. Atmospheric Pressure and Wind System	a) Formation of Pressure Belts and their relation with winds b) Monsoon winds and associated Weather	05 03
10. Atmospheric Moisture and Precipitation	a) Humidity and its type b) Forms of condensation and Precipitation	02 04

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- | | | |
|--|--|----|
| 11. Air Masses and Fronts | a) Formation and types of air masses and fronts | 02 |
| | b) Tropical Air Masses, Mid latitudinal air Masses | 03 |
| | c) Berkjness Theory | 02 |
| 12. Submarine Relief of Ocean | General idea of Sub-marine relief | 02 |
| 13. Properties and Movement of Ocean Water | a) Factors affecting temperature of ocean water | 02 |
| | b) Factors affecting salinity and density of ocean water | 02 |
| | c) Causes and effects of Ocean Curreents | 02 |

Reference Books

1. *Physical Geography* - A. N. Strahler
2. *Morphology and Landscape* - H. Robinson
3. *General Climatology* - H. J. Critchfield
4. *The face of the Earch* - Penguins 1980 - Dury G. H.
5. *Elements of Geomorphology* - Oxford University Press - Calcutta 2001 - Kale V. and Gupta A.
6. *Geomorphology* - Prayag Pustakalaya, Allahabad, 1998 - Singh S.
7. *Atmospher, Wather and Climate* - Routledge 1998 - Barry R. G. & Chorley R. J.
8. *Climatology* - Mc Graw - Hill, New York 1974 - Mather J. R.

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9. Foundation of Climatology - Surjeet Publications, Delhi 1982 - Stringer E. T.
10. An Introduction to climate - International students edition Mc Graw Hill, New York, 1980 - Trewartha G. J.
11. General oceanography - An introductory, John Wiley & Sons, New York 1980 - Grainger, S.
12. प्राकृति भूविज्ञान - अरविंद भागवत, श्रीकांत कार्लेकर
13. सुगम प्राकृतिक भूविज्ञान - प्रा. दाते, सौ. दाते
14. प्राकृतिक भूगोल भाग १ व २ - अहिरराव, वराट, अलिझाड

(26) LINGUISTICS

Introduction to General Linguistics

1. Language as symbolic system and as a social institution.
2. Subsystems of language : Phonetic, Phonemic, Grammatical and Semantic subsystems.
3. Articulatory Phonetics : Organs of speech cavities and articulators and their functions in speech production.
4. Classification of Consonants : Place of articulation and Manner of articulation.
5. Classification of Vowels : Tongue Height, Tongue advancement and lip position.
6. Phonemics : Definition of Phone, Allophone and Phoneme.
7. Morphology : Definition of Morph, Allomorph and Morpheme : Morpheme and word. Derivation and inflection.

Text Book

Gleason, H.A. Jr.—An Introduction to Descriptive Linguistics (Indian Edition : Oxford and IBM). Chapters 1, 5, 15, 16.

Reference Books

Hockett, C. F. A.—Course in Modern Linguistics, Indian Edition.

Bloch, Bernard Trager, George L.—Outline of Linguistics Analysis, Indian Edition.

(27) DEFENCE & STRATEGIC STUDIES

(from June 1994)

G-1—Modern Welfare

OR

Evolution of Western Art of War

1. The general content of all courses will be historical and descriptive in nature.
2. The Courses—G—1 Modern Welfare
G—2 India's National Security
G—3 Study of War and Peace and
S—1 Geopolitics and Military Geography are introduces various concepts relevant to the understanding of the discipline. The level of teaching is to be limited to the introduction of these concepts and understanding of their context and meaning.

G—1 : Modern Warfare

1. War : Meaning, definition, causes, principles and consequences.
2. Conventional Warfare : Aspect of Conventional Warfare, Limited War and Total War.
3. Nuclear Warfare :
 - (i) Origin and development of the concept.
 - (ii) Nuclear strategy, arms race and its effect.
 - (iii) Theory of deference.
4. Cold War : Meaning and evolution, means of operation, impact.
5. Detente : Decline of cold war, concept and meaning of detente.

6. Guerrilla Warfare :
 - (i) Meaning, principles and characteristics.
 - (ii) Views on war
 - (iii) Lenin.
7. Chemical Warfare : Historical development, natures, types, methods and objectives and preventive measures of chemical warfare.
8. Biological Warfare : Meaning, nature, means and objectives of biological warfare.
9. Psychological Warfare : Meaning, nature, means and objectives of psychological warfare.
10. Economic Warfare : Concept and meaning.
11. Insurgency and counter insurgency.

Books

1. Calrocovessi Peter—World Politics since 1945.
2. Halperin Morton—Contemporary Military Strategy.
3. Maverick Clark—Reading in the Economics of War.
4. Brodie—Strategy in the Missile Age.
5. Schilling—Arms and Influence.

OR

G—1 : Evolution of Western Art of War

1. Military System of the Greeks—Organizations, weapons, art of warfare etc., Alexander the Great.
2. Military Systems of Roman—General Organizations, weapons, tactics etc., Julius Caesar.
3. Hanibal and Scipio—Contribution of the Art of War—Battle of Zama, Battle of Canne.
4. The Age Cavalry.
5. Revival of Infantry.
6. Gun powder and fire arms.
7. Assessment Gustavus Adolphus, Fredrick the Great and Napoleon.

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8. Causes of World War I.
9. Schlieffen Plan of German Offensive.
10. Various Kinds of Warfare—General, Trench Warfare, Tank Warfare, Gas Warfare, Psychological Warfare.
11. Roll of “U” Boats in World War I.
12. Treaty of Versailles.
13. Background of World War II.
14. Biltkrieg Technique and Panzer Division of Germany.
15. Rise of Japan as Military Power and its attack on Pearl harbour.
16. Tactical and Strategic use of Air Power in World War I.
17. Development of Artillery during World War II.

Selected Readings

1. Montross L.—War through the Ages.
2. Earl E. M.—Makers of Modern Strategy.
3. Fuller J. F. C.—Conduct of War.
4. Bullock H.—Military History of the Western World War I, Vol. I.
5. Cyrill Fall—A Hundred Years of War.
6. Montgomery V.—A History of Warfare.
7. Fuller, J. F. C.—The American Civil War, 1861–65.
8. Fuller, J. F. C.—Machine Warfare.
9. Fuller, J. F. C.—Armaments and History.
10. Fuller, J. F. C.—Military History of the Western World War I.
11. Fuller, J. F. C.—Decisive Battles of the Western World.
12. Brodie, B.—From Arrow to Atom Bomb.
13. Harkabi, Y.—Nuclear War and Nuclear Peace.
14. Robin, C.—We All Fall Down.

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15. Colder Nihil—Unless Peace Comes.
16. Indu Prakash—Science of War.
17. Emme, E. M.—The Impact of Air Power.
18. Brown, F. J.—Chemical Warfare and Study in Restraints.
19. Mao Tse Tung—Guerrilla Warfare.
20. Brodie, B.—Strategy in the Missile Age.
21. Andre Beaufre—Deterrence and Strategy.
22. Halperin, M. H.—Contemporary Strategy.

(28) HISTORY OF CIVILIZATION

HISTORY OF CIVILIZATION (UPTO 1453) G—I

(From June 1992)

	<i>Periods required</i>
1. <i>The Beginnings of Mankind :</i>	
1.1 Palaeolithic and Neolithic Cultures - Social Life and religious ideas.	5
1.2 Origin and nature of civilization. Factors responsible for the development of civilization.	2
2. <i>Early Civilization in West Asia :</i>	
2.1 Egypt : Art, architecture, religion and philosophy, Social and economic Life.	5
2.2 Mesopotamia : Summer, Babylonia, Assyria and Chaldea. Art, architecture, law, social and economic Life, State and politics.	5
2.3 Persia (Iran) Art, architecture literature and religion - importance of Iranian imperialism - relations with India.	3
3. <i>Early Civilization in East Asia :</i>	
3.1 India : Social and economic life, Philosophy, Art and Literature - Contribution to Science- Relation with other civilizations.	6
3.2 China : Arts, Religion and Philosophy - Social and economic life - Contribution to Science.	4
4. <i>Latin American Civilization :</i> The Incas, The Mayas the Aztecs - A brief survey of their achievements.	3

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5. *Greek Civilization* :
The Aegean Civilization. Athens and Sparta–Social and political life. Development of philosophy, Art and Architecture–Contribution to Science–Legacy of Greece. 7
6. *Rome* : State and Society - Conflict with Carthage - Republicanism - Law and administration - Rise and growth of imperialism - Art and architecture - Scientific ideas - Decline and fall - The legacy of Rome. 10
7. *Religions of Ancient World* :
Zoroastrianism, Christianity, Islam and religions of India–Hinduism, Jainism and Buddhism. 10
8. *Feudalism* :
 - 8.1 Origin and nature, basic features, Social and economic Life, Guilds. 5
 - 8.2 Charlemagne. 2
9. The Catholic Church, organization of the Church, growing power of the Church–Conflict between the Church and the State. 6
10. The Crusades - Causes and effects.
11. *Rise and growth of Islamic power* :
 - 11.1 The Arabs; Art and architecture, philosophy, literature - Contribution of Science 2
 - 11.2 The Turks : The Seljuks, the Ottomans, Decline and fall of the Eastern Roman Empire. 2

Books for Study

1. Swain J. E. : A History of World Civilization.
2. Loon Henrik Van : The Story of Mankind.
3. Wallbank, Taylor and Balkey : Civilization : Past and Present.

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4. Brinton, Christopher and Wolff : A History of Civilization, Vol. I.
5. Lucas, Henry : A Short History of Civilization.
6. Webster, Hutton : History of Civilization - Ancient and Medieval.
7. Hayes, Baldwin and Cole : History of Western Civilization.
8. ओतुरकर, पोतनीस, महाजन : जगाचा इतिहास (अ. वि. गृह प्रकाशन, पुणे).

Books for Reference

1. Toynbee A.J. : Mankind and Mother Earth.
2. Durant, Will : The Study of Civilization, Vol. I (our Oriental Heritage).
3. Wells, H.G. : Outline of History.
4. Turner Ralph : The Great Cultural Tradition (2 Vols.).
5. Luigi Pareti : History of Mankind, Vol. II, The Ancient World.
6. Fenley R. and Weech W.N. : World History : The Growth of Western Civilization.
7. कुलकर्णी, अ. रा. : प्राचीन भारत - इतिहास आणि संस्कृती.
8. राजे, पोतनीस, कुलकर्णी : विज्ञान इतिहास.
9. डांगे, स. अ. : भारतीय धर्म व तत्त्वज्ञान
10. वर्णेकर श्री. भा. : भारतीय धर्म व तत्त्वज्ञान.
11. माटे म. श्री. : प्राचीन भारतीय कला.

(29) LOGIC AND METHODOLOGY OF SCIENCE

Revised Syllabus (From June 2002)

Objective : To explain the basic principles of correct reasoning and to provide students ample scope to exercise their reasoning based on the above principles.

Ist Term : **Traditional Logic**

1. The Nature of Logic as the study of Inference :
 - * Deductive and Inductive branches of logic.
 - * Argument and argument form; Proposition and propositional form; Difference between proposition and sentence.
 - * Formal character of Deductive logic.
2. Traditional Western understanding of Propositions and their classification :
 - * Basic subject-predicate structure and components: Quantifier, subject term, copula, predicate term.
 - * Classification of propositions into Categorical, Hypothetical, Disjunctive.
 - * Four-fold scheme of Categorical Propositions (A E I O).
 - * Distribution of Terms in A E I O propositional forms.
3. Traditional Western understanding and classification of Inference :
 - * Immediate Inference : Opposition, Conversion, Obversion.

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- * Mediate Inference : Categorical Syllogism, Mixed Disjunctive Syllogism, Mixed Hypothetical Syllogism, Dilemma.
4. Fallacies :
- * Formal fallacies (All those pertaining to kinds of Inference in item 3 above).
 - * Non-formal fallacies : Division, Composition, Accident, Converse Accident, Many Questions, False Cause, Petitio Principii.
 - * Ignoratio Elenchi : Argumentum : ad baculum, ad misericordiam, ad hominem, ad ignorantiam, ad verecundiam, ad populum.
5. Basic concepts/issues from Indian traditions of logic :
- * Nyaya theory of Inference (Anuman) and Hetvabhasa.

Ind Term : **Propositional Logic**

1. (a) Symbolic logic : nature, scope and applications.
- (b) Modern classification of Propositions into :
 - * Simple.
 - * Truth-functionally compound.
- (c) Nature and use of :
 - * Propositional variables,
 - * Propositional constants,
 - * Logical constants.
- (d) Symbolizing propositions using the above.

2. Basic truth–functions :
 - * Negation.
 - * Conjunction.
 - * Disjunction.
 - * Material Implication.
 - * Material Equivalence.
3. (a) Propositional forms : Tautology, Contradiction, Contingency.
(b) Decision Procedures : Truth Table, Shorter Truth Table, Truth Tree.
(c) Use of Decision Procedures to identify propositional forms.
4. Deductive Proof :
 - * Rules of Inference; Rules of Replacement.
 - * Kinds of Proof : Direct, Conditional, Indirect.
 - * Proof of arguments using the above kinds of proof.
 - * Proof of Tautologies using either Conditional or Indirect proof.
5. Method of demonstrating invalidity of Arguments :
 - * Use of the method of assigning truth-values to demonstrate the invalidity of invalid arguments.

Books for Study :

1. Introduction to Logic — I. M. Copi (Tenth Edition).
2. Relevant Chapters from : Tarkasangraha—Athale & Bodas.
3. तर्करेखा (भाग १)—डॉ. सुरेंद्र बारलिंगे आणि डॉ. मो. प्र. मराठे.
4. सुगम आकारिक तर्कशास्त्र—डॉ. श्री. र. कावळे आणि लीला गोळे.

Books for Reference :

1. Symbolic Logic— I. M. Copi, (Relevant Chapters).
2. History of Indian Logic— S. C. Vidyabhusan, Motilal Banarsidas, 1978.
3. Elements of Logic— Stephen Barker.
4. आकारिक तर्कशास्त्र— प्रा. मे. पुं. रेगे.
5. तर्कसंग्रह— श्री. कुरुंदकरशास्त्री.
6. तर्कसंग्रह— श्री. मुसळगावशास्त्री.

(30) GANDHIAN THOUGHT

INTRODUCTION TO GANDHIAN PHILOSOPHY

(Objectives : To acquaint students with the major incidents in Gandhiji's life and the major aspects of Gandhian thought and help them to understand it theoretically and critically).

Ist Term

1. Major incidents in Gandhiji's life.
2. Sources of Gandhian thought (Upanishads, Gita and Jainism, Bible, Ruskin and Tolstoy).
3. Significant characteristics of Gandhian philosophy :
 - (a) Consistency between words and action.
 - (b) Emphasis on spirituality.
 - (c) Purity of means.
4. Basic concepts in Gandhian philosophy :
 - (a) Satya and Ahimsa (Truth and non-violence).
 - (b) Faith, inner-voice and God.
 - (c) Anasakti yoga (Non-attachment).
 - (d) Dignity of Labour.

II Term

5. Gandhiji's views regarding :
 - (a) Untouchability.
 - (b) Status of women in society.
 - (c) Science and Technology.
 - (d) Decentralization.

6. Gandhiji's nation Satyagraha :
 - (a) Its meaning and various techniques.
 - (b) An ideal satyagrahi.
 - (c) Its efficacy in solving problems at the international, national, individual level.
7. Gandhiji's critique of modern civilization :
 - (a) Unemployment.
 - (b) Exploitation.
 - (c) Dehumanization.
 - (d) Violence.
8. Relevance of Gandhiji for today.

Suggested books for Study :

1. An Autobiography, Vol. 1— M. K. Gandhi, Navjeevan Publishing House.
2. In Search of the Supreme— M. K. Gandhi, Navjeevan Publishing House.
3. Selections from Gandhi— N. K. Bose, Navjeevan Publishing House.

Reference Books :

1. The Philosophy of Mahatma Gandhi— Datta D. M. Wisconsin.
2. Gandhian Thought, Tikekar Indu— Sarvasevasangha Press, Varanasi.
3. India of my Dreams— Gandhi M. K., Gandhi Vangmaya Prakashan, Pune.
4. Towards Understanding Gandhi— D. K. Bedekar, Popular, 1975.

(31) HOME ECONOMICS

Section I : General and Household Economics :

1. What Economics is–Relation with other social science–Economics Laws–Economics systems.
2. Demand and Supply–Market mechanism–Demand, Schedule Law of demand–Demand elasticity–Measurement of elasticities; its importance–Cross elasticity, Supply Schedule, Law of Supply–Supply elasticities–Effect of shift in supply and demand : Consumer's movement.
3. Income & Expenditure–Sources of family income–Mean supplementing family income–Family budget–Personal budgets, Account keeping–Standard of living in India–Problems of poverty.
4. Money–Functions of types near money Banks–Types of banks - Commercial - Co-operative– Savings–Their functions.
5. Money and Prices–Prices level–inflation–Definition–Effects economy and different income groups.
6. Public Revenue and Expenditure - Effects on Household incomes–Incidence of Taxation–Sales Tax–Lump Tax–Taxable capacity.

Section II : Home Management :

1. Meaning of Home Management.
2. Role of Human values and goals in Home making. Standard of life.
3. Nature and importance of decision–making in Home Management.
4. House planning for lower-middle and high income groups with reference in size of family, occupation of family members.
5. Interior and Exterior maintenance of home–aesthetically, functionally and hygienically.

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Reading Material—Section I

1. Micro-economic Theory : Dewett K.K., S. Chand Publication, Agra.
2. Paul Samuelson : Economics (International Students' Edition), Tenth Edition, McGraw Hill, Kogakusha Ltd.

Reading Material—Section II

1. Nickell, P. and Dorsey J. : Management in Family Living.
2. Gilberth, T. : Management in the Home.
3. Hall and Paolueci : Teaching of Home Economics.
4. Devdas, R.: Text-Book of Home Economics.
5. Brown Effa : Color in Home Decoration.
6. Whitean Sheril : The Elements of Interior Decoration.

(32) ANTHROPOLOGY

(From June 1997)

P 1 : Introduction to Social Anthropology

G-1 : Cultural

First Term :

- I. (a) Nature and scope of Anthropology.
 - (b) Its main branches :
 - * Physical
 - * Social
 - * Cultural.
 - (c) Its main characteristics/features :
 - (i) The holistic/comprehensive study of Man.
 - (ii) The comparative perspective.
 - (iii) The study of primitive communities.
 - (iv) The science of Man.
 - (d) Relationship with :
 - (1) Sociology
 - (2) History
 - (3) Biology
 - (4) Psychology.
 - (e) The scope of Anthropology—The study of Society and Culture :
 - * All aspects of culture.
 - * Inter-relationships among these aspects.
 - * The primitive society—particular emphasis.
 - (f) The uses of Anthropology.
- II. *The Concept of Culture :*
 - (a) Culture and Society.
 - (b) Definitions of Culture—general.
 - E. B. Tylor.
 - Iravati Karve.
 - Emphasis on explanations.

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- (c) The four elements of culture.
- (d) The attributes of culture.
- (e) Culture and personality.
- (f) Culture and Civilizations.
- (g) Features of Indian civilization and culture :
 - (i) Material
 - (ii) Non-material aspects of culture.
- (h) The theories of Culture changes :
 - (i) Evolution
 - (ii) Diffusion
 - (iii) Acculturation
 - (iv) Innovation
- (j) Race and racism
Race, Culture and environment.

III. *Social Organization* :

- (a) The family—definitions.
- (b) Types—Patrilinae
—Matrilinae.
- (c) Functions and characteristics of Joint and Nuclear families.
- (d) Marriage—definitions :
 - Function of marriage.
 - Features and characteristics.
 - The rules of exogamy and endogamy.
 - Age at marriage among Adivasis.
 - Preferential types of marriage.
 - The cross cousin, levirate, sororate.
 - Divorce—the customary practice among the tribals.
 - Orthodox means of marriage.
 - Unorthodox means of marriage.

- (e) Kinship :
 - (i) Family, Kin, Clan.
 - (ii) Types of Kin.
 - (iii) Clan Kinship system.
 - (iv) Functions of Clan and Kinship.
 - (v) Kinship usage :
 - (i) Avoidance
 - (ii) Joking relationships.
 - (iii) Tecknomy.
 - (iv) Avunculate.
 - (v) Couvade.

Second Term :

IV. *Economic Organization :*

- (a) Characteristics of Primitive economic system.
- (b) Types of economic activities.
- (c) The stages of economy :
 - Food Collection
 - Hunting and pastoral stage.
 - Agriculture.
- (d) The concept of property (Tribal).
- (e) Inheritance of property.
- (f) Shifting cultivation.

V. *Political Organization :*

- (a) Definition.
- (b) Nature of deviance—culture Specific-traditional.
- (c) The means of social control.
- (d) Law and Justice.
- (e) Punishments.
- (f) Nature of Tribal leadership—Headmen; indigenous, hereditary etc.

VI. *Religious Organization :*

- (a) Religion—belief and ritual.
- (b) Magic.
- (c) Religion, Science, Magic.
- (d) Types of magic—white, black, characteristics and the aims of magic.
- (e) Forms of religion :
 - Animism
 - Animatism
 - Naturism.
- (f) Totem.
- (g) Taboo.
- (h) Shaman (Bhagat).

Prescribed Books

1. Majumdar and Madan : Introduction to Social Anthropology.
2. S. Fucus : Origin of Man and his Culture.
3. N. S. Vaidya : Anthropology.
4. Y. S. Mehendale : Sanskrit Anthropolgy.
5. Vilas Sangve : Samajik Anthropology.

Recommended Books

1. Raymond Firth : Human Types.
2. Keesing and Keesing : Cultural Anthropology.
3. Govt. of India : Adivasis.
4. D. N. Majumdar, Races and Cultures of India.

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(33) MATHEMATICS

University of Pune

Circular No. 212 of 2003

Subject : Regarding option at BA(Sp1) mathematics.

It is hereby notified for the information of all concerned that, the University Authorities have decided as below:

The students willing to opt. Mathematics at BA (Special) are advised to offer FMG-1 (B) at F.Y.B.A. level which is identical to F.Y.B.Sc. Paper-III Analytical Geometry and differential equations.

The above decision will come into force from academic year 2002-2003.

Ganeshkhind,
Pune-411007.
Date : 11.6.2002

Sign. _____
for Registrar.

F.Y.B.A. / 213

University of Pune
Circular No. 209 of 2003

Subject: Regarding F.Y.B.A./F.Y.B.Sc./F.Y.B.Sc.
(Computer Science) Mathematics syllabus.

It is hereby notified for the information of all concerned that, the University Authorities have decided to implement F.Y.B.A./F.Y.B.Sc./F.Y.B.Sc. (Computer Science) Mathematics revised syllabus as enclosed in appendix.

The above decision will come into force from academic year 2002-2003.

Ganeshkhind,
Pune-411007.
Date : 13/14.6.2002

Sign. _____
for Registrar.

F.Y.B.A. (Mathematics)

MG-I : Algebra

This will be the same as F.Y.B.Sc. Paper I

AMG-I : Calculus

This will be the same as F.Y.B.Sc. Paper II.

FMG-I (A) : Financial Mathematics

FIRST TERM

1. Simple Interest

1. Rate of interest.
2. Simple interest
3. Exact and ordinary simple interest
4. Exact and approximate time
5. Present value of a debt
6. Equations of value. (9 lectures)

2. Compound interest

1. Compound amount
2. Nominal and effective rates of interest.
3. Approximation of interest rate and time
4. Present value
5. Equations of value
6. Equated time. (9 lectures)

3. Annuity

1. Amount and present value of an annuity.
2. Ordinary annuities certain.
3. Rate of interest. (9 lectures)

4. Functions

1. Functions and their graphs.
2. Slopes and intercepts.
3. Graphs of non-linear functions.
4. Limits and continuity. (9 lectures)

SECOND TERM

5. Differentiation

1. The derivative and the rules of differentiation.
2. The slope of a curvilinear functions.
3. Differentiability and continuity.
4. Derivative notations.
5. Rules of differentiation.
6. Higher order derivatives.
7. Implicit differentiation. (18 lectures)

6. Application of Derivative.

1. Increasing and decreasing functions.
2. Concavity and convexity.
3. Relative extrema.
4. Inflection points.
5. Curve sketching.
6. Optimization of functions.
7. Marginal Concepts.
8. Optimizing economic functions.
9. Price elasticity of demand and supply.
10. Relationship among total, marginal and average concepts.

References:

1. Frank Ayers Jr., Mathematics of Finance, Schaum's outline series, 1983.
2. E.T. Dowling, Mathematical Economics, Schaum's outline series, 2nd edition, 1992.

FMG-I (B) : Analytical Geometry and Differential Equations

This will be the same as F.Y.B.Sc. Paper III.

Note: The students willing to offer Mathematics at B.A. (special) are advised to take FMG-I (B).

(34) APPLIED MATHEMATICS

CALCULUS (AMG 1)

(From 1996–97)

FIRST TERM

1. Real Numbers—Properties of absolute value function g.l.b., l.u.b. completeness axion. (6 Lectures)
2. Limit and Continuity—Real valued Function of a Real variable, Limit of a Function, Continuous Functions, Algebra of Continuous functions, properties of Continuous Functions on closed and bounded interval :
(i) Boundedness, (ii) Attains sup and Inf.
(iii) Intermediate Value Theorem. (15 Lectures)
3. Differentiability, The Derivative of a Function, Mean value Theorems—(i) Rolle's Theorem, (ii) L.M.V.T., (iii) Cauchy's M.V.T. Indeterminate forms, L. Hospital's Rule (Problems only), Successive Differentiation. Leibnitz Theorem (with proof). (15 Lectures)

SECOND TERM

4. Sequences—Real Sequences, Convergent sequences, Monotonic sequences, Convergences of $1 + \frac{1}{n}$
(7 Lectures)
5. Series—Convergence of Series, Series of Positive Terms Comparison Test, Ratio Test, Root Test. (7 Lectures)
6. Power Series—Taylor's Series, Maclaurin Series (without proof) some basic functions—Exponential, Logarithmic, Trigonometric and hyperbolic. (6 Lectures)

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7. Integration—Revision, Integration by partial fractions
(i) Linear repeated factors, (ii) Quadratic non-repeated factors, (iii) One linear and one quadratic factor.
(8 Lectures)
8. Applications of Integration—Area of Plane regions. Rectification, length of plane curves, Volume and Surface Revolution.

List of Books

1. Calculus, Vol. I and II —T. M. Aostol. (Wiley International Edition).
2. Differential Calculus—Shanti Narayan.
3. Integral Calculus—Shanti Narayan.
4. Introduction to Real Analysis — R. G. Bartle and D. R. Sherbert (John Wiley & Sons).
5. Introduction to Calculus and Analysis Vol. I— R. Courant and Fiilz John (Springer Verlag Pub.).

(35) INDUSTRIAL MATHEMATICS IMG 1

Section One : Business Mathematics (I)

1. *Simple and Compound Interest* :
 - (i) Construction and uses of formulae for computation of interest and amount.
 - (ii) Quarterly and half yearly periods.
2. *Annuity* :
 - (i) Annuity by simple and compound interest.
 - (ii) Recurring deposits. Present value.
3. *Graphs* :
 - (i) Tracing of linear, quadratic and hyperbolic graphs meaning of polynomial curves.
 - (ii) Slope of a curve. Equations of tangent and normal. Intersection of two curves and its interpretation.
 - (iii) Solution of simultaneous linear equation by graphs Inter-section of a line and a quadratic graph. (Examples from social sciences are preferable).

Section Two : Business Mathematics (II) : Syllabus identical to existing syllabus (periods 12)

1. *Calculus of Finite Differential* :
 - (i) Forward and backward differences.
 - (ii) Knowledge of the operators D , ∇ and E and their relations (no proofs).
 - (iii) Factorial notation.

2. *Interpolation* :
 - (i) Interpolation with equal intervals, Interpretation.
 - (ii) Newton's formula for forward interpolation.
 - (iii) Linear interpolation by groups. Meaning of linear and quadratic interpolation.

3. PERT AND CPM :
 - (i) Planning and scheduling network.
 - (ii) Arrow diagrams. Activity-on-node diagrams.
 - (iii) Critical path. Slack.

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(36) STATISTICS

UNIVERSITY OF PUNE

Circular No. 253 of 2002

**Subject : Regarding F.Y.B.A Statistics Revised
Syllabus**

It is hereby notified for the information of all concerned that, the University Authorities have decided to implement F.Y.B.A. Statistics (36) Statistics, (37) Mathematical Statistics and (38) Applied Statistics revised syllabus as enclosed in the Appendix.

The above decision will come into force from Academic Year 2002-2003.

Ganeshkhind,
Pune-411007.
Ref. No. : CB/S/Stat/4119
Date : 19.6.2002

Sign. _____
For Registrar.

STATISTICS

Circular No. 253/2002 Revised Syllabus

Paper I—Descriptive Statistics

Objective :

The main objective of this course is to acquaint students with some basic concepts in Statistics. They will be introduced to some elementary statistical methods of analysis of data.

At the end of this course students are expected to be (i) to compute various measures of central tendency, dispersion, skewness and kurtosis, (ii) to compute the correlation coefficient from ungrouped bivariate data and interpret them. (iii) to tabulate statistical information given in descriptive form. (iv) to analyse the data pertaining to attributes and to interpret the results. (v) to summarize and analysing the data using computer.

FIRST TERM

Contents :

1. *Introduction to Statistics :* (4)
 - 1.1 Definitions : Webster's, Bowley's, Yule and Kendall's and Secrist's definitions of Statistics.
 - 1.2 Importance of Statistics.
 - 1.3 Scope of Statistics : In industry, Biological Sciences, Medical Sciences, Economics, Social Sciences, Management Sciences.
 - 1.4 Statistical organizations in India : CSO, ISI, NSS, Bureau of Economics and Statistics, their names and functions.
2. *Population and Sample :* (4)
 - 2.1 Notion of a statistical population, types of populations and a sample from a population with illustrations.

- 2.2 Description of simple random sampling with and without replacement (SRSWR and SRSWOR), stratified random sampling, systematic sampling, cluster sampling, two stage sampling.
3. *Types of Statistical Data :* (6)
 - 3.1 Attributes : Nominal scale and ordinal scale.
Variables : Interval scale, ratio scale, Discrete and continuous variables, raw data.
 - 3.2 Classification : Discrete frequency distribution, continuous frequency distribution, inclusive and exclusive methods of classification, cumulative frequency distribution, relative frequency.
 - 3.3 Graphical representation of statistical data : Histogram, frequency polygon and frequency curve, ogive curves, diagrammatic representation of data using stem and leaf chart.
 - 3.4 Examples and problems.
4. *Tabulation :* (4)
 - 4.1 Need and definition of tabulation.
 - 4.2 Construction of statistical tables : Parts of a table, rules of tabulation, uses of tabulation, Construction of tables with one, two and three factors of classifications.
 - 4.3 Requirements of good statistical table.
 - 4.4 Examples.
5. *Measures of Central Tendency :* (10)
 - 5.1 Concept of central tendency of statistical data : Statistical average. Requirements of a good statistical average.
 - 5.2 Arithmetic Mean (A.M.) : Definition, effect of change of origin and scale, combined mean of a number of groups, merits and demerits.

- 5.3 Geometric Mean (G.M.) : Definition, merits and demerits.
 - 5.4 Harmonic Mean (H.M.) : Definition, merits and demerits.
 - 5.5 Mode : Definition, formula for computation (without derivation), graphical method of determination of mode, merits and demerits.
 - 5.6 Median : Definition, formula for computation (without derivation), graphical method of determination of median, merits and demerits.
 - 5.7 Imperical relation between mean, median and mode.
 - 5.8 Partition Values : Quartiles, Deciles and Percentiles, Box Plot.
 - 5.9 Weighted Means : Weighted A.M., G.M. and H.M.
 - 5.10 Situations where one kind of average is preferable to others.
 - 5.11 Examples and problems.
6. *Measures of Dispersion* : (10)
- 6.1 Concept of dispersion. Requirements of a good measure of dispersion.
 - 6.2 Range : Definition, merits and demerits.
 - 6.3 The semi-interquartile range (quartile deviation).
 - 6.4 Mean Deviation : Definition, merits and demerits, minimal property (without proof).
 - 6.5 Mean Square Deviation : Definition, Minimal property of mean square deviation, variance and standard deviation : Definition, merits and demerits, effect of change of origin and scale.

- 6.6 Absolute and relative measures of dispersion, coefficient of quartile deviation, coefficient of variation (C.V.).
- 6.7 Examples and Problems.
- 7. *Moments* : (4)
 - 7.1 Moments about an arbitrary constant.
 - 7.2 Raw moments (m_r) for ungrouped and grouped data.
 - 7.3 Central moments (m_r) for ungrouped and grouped data. Sheppard's corrections, effect of change of origin and scale.
 - 7.4 Relations between central moments and raw moments.
- 8. *Skewness* : (4)
 - 8.1 Concept of skewness of a frequency distribution, positive skewness, negative skewness, symmetric frequency distribution.
 - 8.2 Bowley's coefficient of skewness : Proof that Bowley's coefficient of skewness lies between -1 to 1 .
 - 8.3 Karl Pearson's coefficient of skewness.
 - 8.4 Measures of skewness based on moments.
 - 8.5 Examples and Problems.
- 9. *Kurtosis* : (2)
 - 9.1 Concepts of Kurtosis, Leptokurtic, Mesokurtic and Platykurtic frequency distributions.
 - 9.2 Measures of Kurtosis based on moments.
 - 9.3 Examples and Problems.

SECOND TERM

10. *Correlation* : (20)
- 10.1 Bivariate data.
 - 10.2 Concept of correlation between two variables, positive correlation, negative correlation.
Properties :
 - 10.3 Scatter diagram, conclusion about the type of correlation from scatter diagram.
 - 10.4 Covariance between two variables (m_{11}) :
Definition, computation, effect of change of origin and scale.
 - 10.5 Karl Pearson's coefficient of correlation (r) :
Definition, computation for ungrouped and grouped data and interpretation.
Properties (i) $-1 \leq r \leq +1$ (with proof).
(ii) effect of change of origin and scale (with proof).
 - 10.6 Spearman's rank correlation coefficient :
Definition, computation and interpretation (with and without ties), Spearman's rank correlation coefficient proof of the formula for without ties.
 - 10.7 Only simple numerical examples and problems.
11. *Regression* : (18)
- 11.1 Lines of regression, fitting of lines of regression by the least square method.
 - 11.2 Regression coefficients (b_{yx} b_{xy}) : definition, computation. Properties :
 - (i) $(b_{yx} b_{xy}) = r^2$
 - (ii) $(b_{yx} b_{xy}) \leq 1$

(iii) $b_{yx} = r \frac{s_y}{s_x}$, $b_{xy} = r \frac{s_x}{s_y}$

(iv) Effect of change of origin and scale.

(v) Slopes of lines of regression.

(vi) Angle between the two lines of regression.

11.3 Explained and unexplained variation, coefficient of determination.

11.4 Nonlinear regression : (i) Second degree curve, (ii) exponential curve of type $y = ab^x$, fitting of such curves by least squares method.

11.5 Examples and Problems.

12. *Theory of Attributes* : (10)

12.1 Attributes : Notation, dichotomy, class-frequency, order of class, positive class-frequency, negative class-frequencies, ultimate class-frequency, relationships among different class-frequencies (upto two attributes).

12.2 Concept of independence and association of two attributes.

12.3 Yule's coefficient of association

12.4 Examples and problems.

Note :— In theory examination, in question paper, the weightage to the numerical problems should not exceed 40%.

Books Recommended

1. Goon, Gupta and Dasgupta—Fundamentals of Statistics Vol. I and II., Ed. 5 (1971) and Vol. II, ed. 6(1986) world Press, Calcutta.
2. S. P. Gupta—Statistical methods, ed. 12 - Sultan Chand & Sons, New Delhi (1979).
3. Snedecor and Cochran—Statistical Methods, sixth edition, Oxford and IBH Publishing Co. (1967).
4. Croxton, F. E. and Cowden, D. J.—Applied General Statistics, Second Edition, Sir Isaac Pitman & Sons Ltd., London.
5. Walker and Lev—Elementary Statistical Methods - Oxford & IBH Publishing Co., Calcutta, First Indian Edition (1965).
6. Sarma K.V.S. - Statistics mde simple - Do it yourself on P.C., Prentice Hall of India, New Delhi (2001).

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(37) MATHEMATICAL STATISTICS

UNIVERSITY OF PUNE

Circular No. 264/2002

**Subject : Mathematical Statistics at F.Y.B.A
change of group.**

It is hereby notified for the information of all concerned that, the University Authorities have decided as below :

F.Y.B.A. Mathematical Statistics is shifted from Group J to Group E Politics/Mathematical Statistics.

The above decision will come into force from Academic Year 2002-2003.

Ganeshkhind, Pune-411007.

Sd. / xxx

Ref. No. CBS/Statistics/4144

for **Registrar**

Date : 19-6-2002

MATHEMATICAL STATISTICS

(Circular No. 253/2002) Revised Syllabus

**Paper—II : Discrete Probability and Probability
Distributions**

Objectives :

The main objective of this course is to introduce to the students the basic concepts of probability; axiomatic theory of probability, concept of random variable probability distribution (univariate and bivariate) of discrete random variables, expectation and moments of a probability distribution.

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By the end of the course students are expected to be able :

- (i) to distinguish between random and non-random experiments.
- (ii) to find the probabilities of events.
- (iii) to obtain a probability distribution of a random variable (one or two dimensional) in the given situation and
- (iv) to apply the standard discrete probability distribution to different situations.

FIRST TERM

Contents :

1. Sample space and events : (10)
 - 1.1 Experiments and random experiments. Ideas of deterministic and non deterministic models.
 - 1.2 Definition of : (i) sample space, (ii) discrete sample space : finite and countably infinite, (iii) event, (iv) elementary event, (v) certain event, (vi) impossible event.
 - 1.3. Concept of occurrence of an event.
 - 1.4. Union and intersection of two or more events.
Occurrence of :
 - (i) at least one of the given events,
 - (ii) none of the given events, and
 - (iii) all of the given events.
 - 1.5 Mutually exclusive events, complementary events.
(denote complement of event A by A^c).
 - 1.6 Symbolic representation of given events :
Description of events given in symbolic form.
 - 1.7. Examples and Problems.

2. Probability : (For Finite sample space only) : (16)

- 2.1. Classical definition of Probability.
- 2.2. Probability with reference to a finite sample space : Probability assignment approach.
Probability of an event.
- 2.3. Equiprobable sample space, probability of an event.
- 2.4. Axioms of probability.
- 2.5. Probability of union of two events.
 $P(A \cup B) = P(A) + P(B) - P(A \cap B)$.
Statement of extension of this result to union of three or more events.
- 2.6. To prove
 - (i) $P(A^c) = 1 - P(A)$.
 - (ii) If $A \cap B = \emptyset$, $P(A \cup B) = P(A) + P(B)$.
 - (iii) $P(\cup_{i=1}^k A_i) \leq \sum_{i=1}^k P(A_i)$
 - (iv) $P(\cap_{i=1}^k A_i) \geq \sum_{i=1}^k P(A_i) - (k - 1)$.
- 2.7. Examples and Problems.

3. Conditional Probability and Independence of events : (12)

- 3.1. Definition of independence of two events :
 $P(A \cap B) = P(A) \cdot P(B)$.
- 3.2. Pairwise independence and mutual independence for three events.
- 3.3. Definition of conditional probability of an event.
- 3.4. Multiplication theorem.
 $P(A \cap B) = P(A) \cdot P(B|A)$.
- 3.5. Baye's Theorem.
- 3.6. Examples and Problems.

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4. Univariate Probability Distribution : (Defined on finite sample space) : (10)
 - 4.1 Definition of discrete random variables.
 - 4.2. Probability mass function (p.m.f.) and cumulative distribution function (c.d.f.). $F(\cdot)$ of a discrete random variable, properties of c.d.f.
 - 4.3. Mode and median of a univariate discrete probability distribution.
 - 4.4. Examples and Problems.

SECOND TERM

5. **Mathematical Expectation** (Univariate random variable) (18)
 - 5.1 Definition of expectation
 - 5.2 Definition of expectation of a random variable, expectation of a function of a random variable.
 - 5.3 Definition of mean, variance of univariate probability distribution. Effect of change of origin and scale on mean and variance.
 - 5.4 Definitions of raw, central and factorial moments of univariate probability distribution and their interrelations.
 - 5.5 Examples and Problems.
6. **Bivariate Probability Distributions** (Defined on finite sample space) (12)
 - 6.1 Definition of two dimensional discrete random variable, its p.m.f. and distribution function.
 - 6.2 Computation of probabilities of events in bivariate probability distributions.
 - 6.3 Concepts of marginal and conditional probability distributions.

- 6.4 Independence of two discrete random variables.
- 6.5 Probability Distribution of function of two jointly distributed random variables.
- 6.6 Examples and Problems.
- 7. **Mathematical Expectation** (Bivariate random variable) (12)
 - 7.1 Definition.
 - 7.2 Theorems on expectation of sum and product of two jointly distributed random variables.
 - 7.3 Conditional expectation.
 - 7.4 Definitions of conditional mean and conditional variance.
 - 7.5 Definition of raw and central moments.
 - 7.6 Definition of covariance, correlation coefficient (r), Does $r = 0$, imply independence of variables?
 - 7.7 Varince of linear combination of variables.
 - 7.8 Examples and Problems.
- 8. **Some Standard Discrete Probability Distributions:** (16)
 - 8.1 Uniform discrete distribution on integers 1 to n : p.m.f., mean, variance, situations where this distribution arises.
 - 8.2 Bernoulli Distribution : p.m.f., mean, variance, moments, distribution of sum of independent identically distributed Bernoulli variables.
 - 8.3 Binorrial Distribution : p.m.f.
$$p(x) = \begin{matrix} p^x q^{n-x} & x=0, 1, 2, \dots, n \\ 0 & 0 < p < 1, q=1-p \\ & \text{otherwise} \end{matrix}$$

Notation :- $X \sim B(n, p)$

Recurrence relation for successive probabilities, computation of probabilities of different events, mode of the distribution, mean, variance, moments, skewness (comments when $p = 0.5$, $p > 0.5$ and $p < 0.5$.) additive property of binomial variates, conditional distribution of X given $X + Y$ where X and Y are independent $B(n_1, p)$ and $B(n_2, p)$ variates.

8.4 Hypergeometric Distribution : -

$$\begin{aligned}
 \text{p.m.f., } p(x) &= \frac{\binom{M}{x} \binom{N-M}{n-x}}{\binom{N}{n}} \quad x = 0, 1, 2, \dots, \min(n, M) \\
 &= 0 \quad \text{otherwise}
 \end{aligned}$$

Notation :- $X \sim H(N, M, n)$

Computation of probability, situations where this distribution is applicable, binomial approximation to hypergeometric probabilities, mean and variance of the distribution.

8.5 Examples and Problems.

Books Recommended

1. **Hogg, R. V. and Craig, R. G.**

Introduction to Mathematical Statistics. Ed. 4 (1989)
Macmillan Pub. co New York.

2. **Hoel, P. G.**

Introduction to Mathematical Statistics., (1962)
John Wiley and sons, New York.

3. Feller, W.

Introduction to Probability Theory and its Applications
Vol. I (1969) Asia Publishing House Bombay.

4. Mood, A.M. and Graybill, F.A. and Boes D.C.E.

Introduction to Theory of Statistics. Ed. 3, (1974) Mc
Graw - Hill and Kagakusha Ltd. London.

5. Meyer, P. N.

Introduction to Probability and Statistical Applications.
(Addison - wesley publicity Company, Massachusetts.

6. Mukhopadhyay, P.

Mathematical Staticcs (1996) New Central Book
Agency Calcutta. Introduction to Mathematical Statis-
tics. Ed. 4 (1989) Macmillan Pub. co.

(38) APPLIED STATISTICS
(Circular No. 255/2002) Revised Syllabus
Paper I - Descriptive Statistics

Contents :

1. Population and Sample : (2)
 - 1.1 Notion of Statistical population, types of population and sample from a population with illustrations.
2. Frequency distributions : (8)
 - 2.1. Definition : attributes and variables, discrete variables and continuous variables, raw data.
 - 2.2. Construction of frequency distribution.
 - 2.3. Graphical representation of frequency distribution : histogram, frequency polygon, ogive curves (forequal class intervals).
 - 2.4. Examples and problems.
3. Types of Statistical Data : (4)
 - 3.1. A discrete series of observations on discrete variable.
 - 3.2. A grouped frequency distribution of a discrete variable.
 - 3.3. A grouped frequency distribution of a continuous variable.
 - 3.4. Data pertaining to attributes.
Inclusive and exclusive methods of classification.
4. Diagrammatic representation : (6)
 - 4.1 One dimensional bar diagram, sub divided bar diagram, percentage bar diagram, multiple bar diagram and pie diagram.

5. Measures of Central Tendency : (12)
 - 5.1. Concept of central tendency of statistical data, statistical average. Requirements of a good statistical average.
 - 5.2. Arithmetic mean (A.M.) : definition, effect of change of origin and scale, combined mean of a finite number of groups, merits and demerits.
 - 5.3. Harmonic Mean (H.M.) : definition, merits and demerits.
 - 5.4. Mode (for equal classes) : definition formula for computation (without proof), graphical method of determination of mode, merits and demerits.
 - 5.5. Median : definition formula for computation (without proof), graphical method of determination of median, merits and demerits.
 - 5.6. Partition values :
Quartiles, deciles and percentiles, graphical method of determination of quartiles, deciles and percentiles.(for group frequency distribution of a continuous variable)
 - 5.7. Weighted A.M.
 - 5.8. Simple numerical problems.
6. Measures of Dispersion : (10)
 - 6.1. Concept of dispersion, requirement of a good measure of dispersion.
 - 6.2. Range : definition, merits and demerits.
 - 6.3. Semi-interquartile range (Quartile Deviation) : definition, merits and demerits.
 - 6.4. Mean deviation : definition, merits and demerits.
 - 6.5. Mean Square Deviation; definition, variance and standard deviation : definition, merits and demerits, effects of change of origin and scale.

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- 6.6. Measures of absolute and relative dispersion : coefficient of quartile deviation, coefficient of variation (c.v.).
- 6.7. Simple numerical problems.
- 7. Moments :
 - 7.1. Raw moments about origin for an ungrouped and grouped data (Upto order 4).
 - 7.2. Central moments for an ungrouped and grouped data (Upto order 4).
 - 7.3. Relations between central moments and raw moments (about origin) upto order 4 (statement only)
 - 7.4. Simple numerical problems.

SECOND TERM

- 8. Skewness : (8)
 - 8.1. Concept of skewness of a frequency distribution, positive skewness, negative skewness, symmetric frequency distribution.
 - 8.2. Bowley's coefficient of skewness, Karl Pearson's coefficient of skewness, Measures of skewness based on moments.
 - 8.3. Simple numerical problems.
- 9. Kurtosis : (3)
 - 9.1. Concept of kurtosis, leptokurtic, mesokurtic and platykurtic frequency distributions.
 - 9.2. Measures of kurtosis based on moments.
 - 9.3. Simple numerical problems.
- 10. Correlation : (12)
 - 10.1. Bivariate data.

- 10.2 Concept of correlation between two variables, positive correlation, negative correlation.
- 10.3.Scatter diagram, conclusion about the type of correlation from Scatter diagram.
- 10.4.Karl Pearsons' coefficient of correlation (r) :
For ungrouped data definition, computation and interpretation, Properties (Without proofs) :
(i) – $-1 < r < 1$,
(ii) invariant to change of origin and scale.
- 10.5.Spearman's rank correlation coefficient :
definition, computation and interpretation.
- 10.6.Simple numerical problems.
11. Regression : (7)
- 11.1.Lines of regression. Interpretation of the parameters.
- 11.2.Regression coefficients (byx , bxy) definition, computation, properties : of the regression coefficients (statements only).
- 11.3.Simple numerical problems.
12. Theory of attributes :
- 12.1.Attributes and variables; Notation, dichotomy class frequency order of a class, positive class frequency, negative class frequency, ultimate class frequency, relationships among different class frequencies. (Upto two attributes).
- 12.2.Fundamental set of class frequencies : definition, To determine whether a given set of frequencies is a fundamental set or not (upto two attributes).

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- 12.3. Notion of consistency of statistical data, conditions of consistency in terms of positive class frequencies (upto two attributes).
- 12.4. Concept of independence and association of two attributes.
- 12.5. Yule's coefficient of association (Q).
- 12.6. Simple numerical problems.
- 13. Time Series (10)
 - 13.1 Meaning of Time Series
 - 13.2 Various components of a time series (Explanatoin and illustrations for each component.)
 - 13.3 Additive and Multiplicative models for analysis of a time series.
 - 13.4 Methods of estimating secular trend.
 - (i) Freehand or Graphical method.
 - (ii) Method of sem-i-averages.
 - (iii) Method of moving averages.
 - (iv) Method of least squares.
 - 13.5 Simple numerical problems.

Books Recommended

1. Yule G. U. and Kendall M. G. : An Introduction to Theory of Statistics.
2. Goon. Gupta & Dasgupta : Fundamental of Statistics Vol. I. Ed. 5. World Press, Calcutta 1986.
3. Gupta S. P. Statistical Methods, Ed. 12, Sultaan chand and sons, New Delhi.

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4. Gupta S. C. Fundamentals of Statistics - by Himalaya Publishing House.
5. Walpole R. F. Introduction to Statistics : Macmillan Co. New York. 1969
6. Lipschutz Theory and problems of probability : Publisher - Schaum's outline series, New York.
7. Gupta S. C. and Kapoor V. K. Fundamentals of Applied Statistics. Ed. 3 Published by Sultan Chand and Sons, New Delhi - 1987.
8. Goon Gupta Dasgupta : Fundamentals of Statistics Vol. II, Ed. 6 Publisher : - Shripati Bhattacharjee for the World Press Pvt. Ltd. Calcutta. 1986.

(39) MATHEMATICAL PRE-REQUISITES

SECTION I

Terminology

Constants, Variables, Parameters and Coefficients.
Functions.
General Vs. Specific Functions.
Graphs, Slopes and Intercepts.
Inverse Functions.
Solutions.

Economic Applications of Graphs and Equations

Relative scope of Graphs and Equations.
Supply and Demand Analysis.
Income Determination Models. IS - LM Analysis.

The Derivative and the Rules of Differentiation

The Slope of a Curvilinear Function.
The Derivative.
Derivative Notation.
Rules of Differentiation.
Higher-Order Derivatives.

Use of the Derivative in Economics Marginal Concepts

Maximization and Minimization of a Function.
Price Elasticity.
Relationship among Total, Marginal and Average Concepts.

SECTION II

Calculus of Multivariable Functions

Partial Derivatives. Second Order Partial Derivatives.
Differentials.
Total and Partial Differentials.
Total Derivatives.

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Implicit and Inverse Function Rules.
Optimization of a Multivariable Function.
Constrained Optimization.
The Lagrangian Multiplier.

Calculus of Multivariable Functions in Economics

Marginal Productivity.
Income Determination Multipliers.
Partial Elasticities.
Incremental Changes.
Maximization and Minimization of Multivariable
Functions in Economics.
Maximization and Minimization of Economic
Functions under Constraint.
Inequality Constraints.

Text Book

Mathematics for Economics — Edward T. Dowling.
(Schaum's outline series : McGraw Hill Book
Company).

Note : Students offering Economics are advised to offer
this subject as an optional paper.

(40) STATISTICAL PRE-REQUISITES

(General)

The Courses in ‘Statistical Pre-requisites’ may be offered only by candidates offering one of the Social Sciences as their Special subject at the B.A. Degree Examination.

The Courses in ‘Mathematical / Statistical Pre-requisites’ cannot be offered by those who offer any of the Courses in the Mathematics / Statistics Groups for their B.A. Examination.

First Term

Statistical Methods I :

1. Statistical Tables.
2. Theory of Attributes.
3. Association of Attributes.
4. Manifold Classification.
5. Frequency Distributions.
6. Averages and other Measures of Location.
7. Measures of Dispersion.
8. Graphic Presentation - Curves using Arithmetic Scales.
9. Graphic Presentation - Semi-logarithmic or Ratio Charts.
10. Graphic Presentation - Other Types of Charts.

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References

Croxton and Cowden : Applied General Statistics,
Chs. III-X.

Yule and Kendall : An Introduction to the Theory
of Statistics, Chs. 1-6.

Second Term

Statistical Methods I :

1. The Problems of Time Series.
2. Analysis of Time Series - Secular Trend.
3. Other Trend Types.
4. Periodic Movements.
5. Types of Seasonal Movements.
6. Cyclical Movements.
7. Fundamentals in Index Number Construction.
8. Index Number Theory and Practice.

Reference

Croxton and Cowden : Applied General Statistics,
Chs. XIV to XXI.

(41) COMMERCE

(General)

Double Entry Book-keeping and Cost Accounting

First Term

Double Entry Book-keeping :

1. Book-keeping–Meaning objects, importance, Elements of Double Entry.
2. Rules of Journalising - Classification for Accounts - Journal and Ledger Accounts.
3. Subsidiary Books.
4. Cash Book with Cash, Bank and Discount Column - Petty Cash Book.
5. Bank Reconciliation Statement.
6. Trial Balance and Rectification of errors.
7. Final Accounts of Sole Trader - Trading Account, Profits and Loss Account and Balance Sheet.

Second Term

Cost Accounting :

1. Cost Accounting - Introduction, Meaning, Objects, Importance, Limitation of Financial Accounting.
2. Elements of Cost–Cost Sheet.
 - (a) *Material* : Purchasing procedure, Stores routine, Methods of valuing, Material issues : LIFO and FIFO Methods.
 - (b) *Labour* : Time Keeping and Time booking - various methods of remunerating labour.
 - (c) *Overheads* : Types of overheads.

Note : Problems be set on Cost Sheet, Tender LIFO and FIFO Methods of Material Pricing.

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Reference Books

1. Advanced Accounting by Shukla and Grewal.
2. Book-Keeping and Accountancy by M.G.Patkar.
3. Book-Keeping and Accountancy by D.H.Choudhary and L.N.Chopda.
4. Cost-Accounting by B.K.Bhar.
5. Cost-Accounting by Jain Narang.

COMMERCE (GENERAL)

Section I

1. Organization of Home Trade : Wholesale trade, Its organization, Buying, Selling and Credit policies of wholesalers, Position of wholesaler in the channel of distribution, Elimination of Wholesalers, Auction sale. Retail Trade, Organization, Buying, Selling and Credit policies of retailers, Consumers co-operative stores, Meaning, Features, Merits and limitations. Hire purchase trading and instalment selling, Meaning features, Merit and demerits, Position and scope in India.

2. Foreign Trade : Nature of foreign trade, Need for a special procedure, Indent house, Procedure of import and export trade, Documents in foreign trade, Financing of foreign trade, Export promotion, Agencies for export promotion.

3. State in relation to trade : Need for an importance of trading, Organization, Functions and working of Food Corporation of India and State Trading Corporation.

Section II

4. Trade Association and Chamber of Commerce : Functions, Organization, Types of transactions, Meaning of Maratha Chamber of Commerce, Maharashtra Chamber of Commerce and Federation of India Chambers of Commerce and Industries.

5. Commodity and Stock Exchange : Functions, Organization, Types of transactions, Meaning of terms, bull, bear, corner, support, coverage, Organization and working of Bombay Stock Exchange.

6. Office Management : Commercial office, Office routine, Flow of office work, Office service, Mail messenger, Office manual, Planning and scheduling of office work, Measurement of office work, Control of office expenditure, Public Relations, Importance, Public Relation Officer-His role and functions.

Recommended Books

- (1) Organization of Commerce—Acharya and Govekar (A. R. Seth and Co., Bombay 2).
- (2) Commercial Organization—Vaidya, Date and Godha (Anamol Prakashan, Pune 2).
- (3) Structure of Commerce—E. Thomas (Cassel, London).
- (4) Principles and Practice of Commerce—Stephanson (Sir Issac Pitman and Sons Ltd., London).
- (5) Text Book of Office Management—Leffingwell and Robinson (McGraw Hill Book Co. Inc., London).
- (6) Chamber of Commerce and Business Association in India—Dr. M. R. Dhekney (Popular Prakashan, Bombay).
- (७) व्यापार संघटन आणि पद्धती—प्रा. चिं. ग. वैद्य व प्रा. सि. काळे (महाराष्ट्र विद्यापीठ ग्रंथनिर्मिती मंडळ, नागपूर).

(42) SOCIAL WORK

Social Reform Movements in India

1. Social Reform Movements in India by various social reform groups
 - (i) Arya Samaj
 - (ii) Brahma Samaj
 - (iii) Prarthana Samaj
 - (iv) Ramakrishna Mission.
2. Social Reform Movement by Mahatma Gandhi
 - (i) Removal of Untouchability.
 - (ii) Work for Backward Classes (Harijans).
3. Sarvodaya Movement, Antyodaya Movement, Gramdan Movement, Bhodan Movement.

Books

1. Indian Social Problems : G.R.Madan.
2. History and Philosophy of Social Work in India : A.R.Wadia, Ed. TISS, 1961.
3. A Century of Social Reform in India : S.Natarajan.

Second Term

Introduction to Social Welfare and Social Services

Content : Topics :

- a) Definitions of terms : Social Welfare, Social services, Social reforms, Social work and Social reconstruction.
- b) History of Social Service : Origin, development of service through pre-British. British and post-independence periods (an overview).
- c) Specific Social Service for the disadvantaged, deprived weaker and handicapped sections of the society.

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- d) Post–independence reform movements, for realization of Social Justice and ensuring rights of the weaker sections of the Society.
- e) Planned provisions for social services in India (general) and Maharashtra in particular.

Reference Books

1. Social Welfare in India - Planning Commission.
2. Social Welfare in India - Dr. S.K.Khindakar.

(४३) योगविद्या

कृती

१. योगाच्या संबंधात अस्तित्वात असलेल्या भ्रामक कल्पना.
२. योगाचे व्यापक स्वरूप - व्याप्ती व परिभाषा.
३. योगाचे ऐतिहासिक स्वरूप - सिंहावलोकन आणि विकासाचा आढावा.
४. योगातील विभिन्न प्रणालींची ओळख - अष्टांगयोग, हठयोग, ज्ञानयोग, मंत्रयोग, भक्तियोग.
५. योगप्रक्रियांची दैनंदिन जीवनाशी सांगड - योगाद्वारे शारीरिक, मानसिक स्वास्थ्यरक्षण.

कृती

१. योगवाङ्मयाचा संक्षिप्त परिचय - भगवद्गीता, हठप्रदीपिका घेरण्डसंहिता, योगोपनिषदे.
२. पातञ्जलयोगसूत्रातील समाधिपाद व साधनपाद यांचा सविस्तर अभ्यास.

प्रात्यक्षिक

स्वस्तिकासन, अर्धपद्मासन, पद्मासन, सिद्धासन, वज्रासन, भुजंगासन, अर्धशंलभासन, ताडासन, पर्वतासन, चक्रासन, श्यासन, धनुरासन, उत्कटासन, वृक्षासन, नौकासन, पादहस्तासन, विपरीतकरणी, हलासन, मत्स्यासन, सुप्तवज्रासन, उडियाबंडी, ब्रह्ममुद्रा, अनुलोमविलोम (कुंभकरहित), उज्जायी, (कुंभकरहित), ओम् जप व स्वाध्याय (आवडीनुसार कोणत्याही प्रार्थनेचे पठण).

संदर्भ

१. योगविद्या - श्री. श. खानवेलकर, महाराष्ट्र ग्रंथभांडार, कोल्हापूर.
२. Yoga and Depth Psychology and Parapsychology, Vol. I - Historical Background— C.T.Kenghe, Bharat Manish, Varanasi.

3. History of Yoga - Vivian Worhington.
४. योगिक प्रक्रियांचे मार्गदर्शन - म. ल. घरोटे, कैवल्यधाम.
५. पातञ्जलयोगसूत्र अर्थात् भारतीय मानसशास्त्र - कृ. के. कोल्हटकर, के. भि. ढवळे प्रकाशन, मुंबई.
6. Hathapradipika - Swami Digambarji and R.G.Kokje Shastri, Kaivalyadhama, Lonawala.
७. हठप्रदीपिका (मराठा भाषांतर) - व. ग. देवकुळे.
८. घेरण्डसंहिता (मराठी भाषांतर) - व. ग. देवकुळे.
9. Gherand Samhita - Swami Digambarji and M. L. Gharote, Kaivalyadhama, Lonawala.
10. Asanas - Swami Kaivalyananda.
11. Pranayama - Swami Kaivalyananda.
१२. योगदीपिका - बी. के. एस. अय्यंगार.
१३. योगासने - व. ग. देवकुळे.

(44) PUBLIC ADMINISTRATION

General : Paper I Indian Administration :

SECTION I

1. Institutional framework of Indian Administration.
2. Central Government :
 - (a) Framework.
 - (b) Organization of the Central Secretariat of India.
 - (c) Theory and Practice of Officer oriented system in India.
 - (d) Executive Agencies.
 - (e) Planning Commission, National Development, Council.
 - (f) Advisory Committees.
 - (g) Administration of Public Undertakings.
 - (h) Central Public-Services.

Books

1. Maheshwari S.R. : Indian Administration (New Delhi, Orient Longmans, 1968).
2. Bhambhari C.P. : Public Administration in India (New Delhi, Vikas Publication, 1976).
3. ना. र. इनामदार : लोकप्रशासन (साधना प्रकाशन, पुणे).
4. Indian Institute of Public Administration, Organization, of the Government of India (New Delhi).

SECTION II

1. State Secretariat.
2. Board of Revenue.
3. Regional Administration.
4. District Administration.

5. State Public Services.
6. Local Government : Rural and Urban Government.
7. Administrative Reforms.

Books

1. Maheshwari S.R. : Indian Administration (New Delhi, Orient Longmans, 1968).
2. Bhambhari C.P. : Public Administration in India (New Delhi, Vikas Publications, 1976).
3. Shukla J.P. : State & District Administration in India (New Delhi, Indian Institute of Public Administration, 1976).
4. ना. र. इनामदार : लोकप्रशासन (साधना प्रकाशन, पुणे).
5. Indian Institute of Public Administration, Maharashtra Branch, Organization of the Government of Maharashtra (Bombay, Somaiya).

(45) HOME SCIENCE

FIRST TERM

Introduction to Home Management :

- (a) Introduction to Resource Management :
 - (i) The nature and role of home management in the changing world.
 - (ii) Concept of home management.
 - (iii) Management process.
 - (iv) Meaning and definition of home management.
- (b) Money Management :
 - (i) Money income.
 - (ii) Family budget.
 - (iii) Account keeping.
- (c) Work Simplifications :
 - (i) Definition and importance of work simplification.
 - (ii) Mundel's classes of change.
- (d) Household Equipments :
 - (i) Need of various household equipments.
 - (ii) The commonly used appliances such as cooking gas, stove, smokeless chulha, pressure cooker, mixers, refrigerator, electric iron, electric toaster.
- (e) Elements of design : Line, form, texture and pattern.
- (f) House colouring :
 - (i) Colour theories.
 - (ii) Quality of colour time, value, intensity and warmth of colour.
 - (iii) Colour scheme for house.
 - (iv) Factors in colour scheme for rooms.

SECOND TERM

Introduction to Extension Education in Home Science :

- a) Extension Education. Need for Extension Education, Application of Education.
- b) Extension teaching methods, life and problems, Non-formal Education.
- c) Orientation to rural life, problems, solution.
- d) Consumer responsibility : Meaning, movement, need, Selection of A.V.Aids - uses, applicability.

List of Books for Home Management

1. Home Management for Std. XI, by M.A. Verghese, N.N. Ogali, K.Srinivasan.
2. Elements of Home Science by Premlata Mallick.
3. Household equipment by L.J. Pert and H.S.Pickett.
4. Management in the Home by M. Lilliam Gilberth.
5. Management in Family by Living, Nickill/Dorsey.

List of Books for Extension Education in Home Science

Studies in Extension Education edited by P.R.R. Sinha,
Assignment.

1. Preparation of a soft toy for a toddler.
2. Preparation of a first aid kit.
3. Collection of 5 stories and 5 songs for a three-year child.

SECOND TERM

Introduction to Family Dynamics :

Topic No. I : Family, its institutional features; its relation to other institutions like economy, policy and religion.

Topic No. II : Changes in the structure and functions of the family in industrial society.

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- Topic No. III : Family and Social changes : Impact of Modernization, industrialization and democratic values on familiar norms, roles, functions.
- Topic No. IV : Changing status of woman and its impact on family role-conflict, inter-generational conflict, dowery, divorce, inheritance, problem of identity, exploitation of woman within the family.
- Topic No. V : Family life education : Meaning, significance and need for F.L.E., Pre-marital and Marital counselling.

Books

1. Child Development - Hurlock.
2. Baby and Child Care - Benjamin Spock.
3. Know Your Child - Dr. Suraj Gupta.
4. Practical Mother and Child Health Care - Walia, Shah and Shah.
5. The Exploring Child - Ruth Kahn.
6. The Family - William J. Goode, Prentice Hall, India, 1965.
7. The Indian Family in the change and challenge of the Seventies (Papers submitted at a Seminar organized by Indian Social Institute, New Delhi), Sterling Publishers (P), New Delhi, 16, 72.
8. The Hindu Family in its Urban setting Aileen D. Ross, Oxford University Press, 1973 (Chapters 1, 2 and 6 only).

(46) ADULT EDUCATION AND EXTENSION

Elements of Adult Education and Extension

Objectives

1. To enable the students to understand the concept, nature and meaning of Adult Education and Extension
2. To enable the students to understand the relation of Adult Education and Extension with social sciences.
3. To understand the aims and objectives of Adult Education and Extension.

Concept : First three topics for term-end examination.

1. Adult Education and Extension - Concept, nature and meaning and need.
2. Philosophy of Adult Education and Extension in India.
3. Place of formal, non-formal, informal, continuing, extension, distance learning in Adult Education and Extension Adult Education and democracy.
4. *Aims and Objectives of Adult Education and Extension* : Literacy, functionality and social awareness, social change, social equity and eradication of superstition; development, health, population, integrated rural development etc.
5. *Adult Education and Extension and Social Sciences*: Sociology, Psychology and Economics and Adult Education India.

Reference Books

1. Ivan Illich : Deschooling Society, Penguin, 1971.
2. Naik J.P. : Perspectives of non-formal education, Allied, New Delhi.
3. Adishesiah, Malcolm : Relevance of Adult Education to our educational crisis (Zakir Hussain Memorial Lecture), IAEA, New Delhi, 1973.
4. All India Adult Education Conference (Lucknow). Report - Adult Education in the service of the rural poor, IAEA, New Delhi, 1975.
5. Dange, Chandrakumar : Rashtriya Praudha Shikshan, Nutan Prakashan, Pune, 1978.
6. Directorate of Adult Education - Fifty years of adult education in India : some experiences, Government of India, 1978.
7. Phillips, H. Coombs and Others : New Paths to Learning, Vidya Mandal, Delhi, 1976; pp. 1-24.
8. P.R.R. Sinha (Ed.) : Studies in Extension Education, NICD, Hyderabad, 1972, pp. 1-8.
9. Jethithor Bharat : Adult Education and Extension: APH Publishing Corporation, New Delhi. 1996.
10. Kundu, C. L. : Adult Education - Principles, Practice and Prospects, Streling Publishers Pvt. Ltd., New Delhi, 1987.
11. All India Adult Education Conference (Lucknow), Report - Adult Education in the service of the rural poor, IAEA, New Delhi, 1975
12. Report of the seminar on Continuing Education, University of Pune, 7-9 February, 1976; UGC 1976, pp. 1-7.

**(47) NATIONAL SERVICE SCHEME
(N.S.S.)**

Social Service and Youth

Theory :

- I. (a) History and Philosophy of Social Work in India (Pre-independence and post-independence periods).
- (b) Education and Social Service - Inter-relationship.
- II. *Prospective of National Service Scheme :*
 - (a) History, aims and objectives of N.S.S.
 - (b) Organizational structure of N.S.S. at National, State, University and College levels :
Functional relationship within NSS skeleton - various NSS Advisory Committees and various NSS functionaries with special reference to the role and functions of the college principal, NSS programme officer, NSS group leaders and NSS volunteers in implementation of NSS.
 - (c) Prospectus of NSS Programmes—Regular NSS activities, special camping programme and their linkage.
- III. *NSS Programme Content-General :*
 - (a) NSS Regular activities.
 - (i) College Campus activities.
 - (ii) NSS Activities in urban areas.
 1. Slum adoption programme - Programme and activities that could be arranged by NSS Unit for slum improvement.
 2. Placement of NSS Volunteers in hospitals, welfare institutions, municipal schools etc. types of work NSS Volunteers could do in each setting.

- (iii) Village adoption programme under NSS programmes and activities that could be arranged by NSS Unit in cooperation with local community in adopted villages.
- (b) Special Camping Programme :
 - (i) Types of Campus–With special reference to NSS Camping Programme.
 - (ii) Selection of camp site and physical arrangements.
 - (iii) Organization of NSS Camps through various committees and discipline in the camp.
 - (iv) Programme activities, campaigns that could be undertaken in camp.

Social Problems and Social Survey

IV. *Social Organizations and Social Problems-in general:*

- (a) Man and Society - inter-relationship.
- (b) Social institutions/organizations such as family, marriage, religion, caste–what changes are taking place in these organizations due to modernization.
- (c) Over-population, unemployment, poverty, illiteracy and ill-health.

V. *Social Survey* : What is Social Survey ?

Design of survey, Methods of collecting information, Analysis of collected data and preparation of survey report, Application of survey findings to problem-solving.

Field Work

In first year in both the terms, each NSS students volunteer will participate in the regular activities and will complete 120 hours of work including NSS Camp. For the purpose of regular NSS activities each NSS student volunteer will maintain a work diary which will be submitted by each NSS student volunteer for assessment.

*List of Books
Books for Reading*

1. A.R. Wadia : 'History and Philosophy of Social Work', Pub. Allied Publishers Pvt. Ltd.
2. S.P. Chaube : 'Educational Problems and Experiments in India', Pub. Kitab Mahal Pvt. Ltd., Allahabad.
3. A. R. Desai, S. D. Devida Pillai : 'Slums and Urbanization', Pub. Popular Prakashan, Bombay.
4. M.S. Gore : 'Indian Youth—Processes of Socialization', Pub. Vishwa Yuvak Kendra, Delhi.
5. D.K. Misra, C.M. Jain and S.I. Doshi (Ed.) : 'Youth, University and Community', Pub. S.Chand and Co.Pvt. Ltd., New Delhi.
6. Prayag Mehta (Edited) : 'The Indian Youth—Emerging Problems', Pub. Somaiya Publications Pvt. Ltd., Bombay.
7. G.R. Madan : 'Indian Social Problems', Vol.No. I - Social Disorganization and Reconstruction, Vol. No. II - Social Work, Pub. Allied Publishers Pvt. Ltd.
८. डॉ. विलास संगवे : भारतातील सामाजिक समस्या, प्रका. पॉप्युलर, ७९.
९. सुमन पोटे : सामाजिक विघटन व समस्या (आ. तु. ७३), प्रका. पायत प्रकाशन, नागपूर.
१०. डॉ. (श्रीमती) सुधा काळदाते : भारतीय सामाजिक समस्या, प्रका. शारदा, नांदेड.
११. प्रा. मनोहर शिंगरू, श्री. कुलकर्णी : भारतीय सामाजिक समस्या, प्रका. आतकरे, औरंगाबाद.
१२. सुमित्रा भावे : सामाजिक पाहणी - तत्त्व व पद्धती, प्रका. चिटणीस, समाजवादी महिला सभा, पुणे.

१३. गजेंद्रगडकर : समाजशास्त्रीय संशोधन पद्धती, प्रका. साधना चुक स्टॉल, कोल्हापूर.
14. Goode and Hatt : 'Methods in Social Research', Publication McGraw Hill International, Student ed., 1981.

Suggested References

1. For Youth Policy, Draft copy of the same is published by Government of India. It should be referred for topic on India's Youth Policy.
2. Publications on National Education Policy brought out by Government of India, University Grants Commission should also be referred for teaching.
3. Latest magazines, articles on relevant topics also should be referred for teaching.

Books for Reference

First, Second and Third Year

1. K.Singh : 'Social Work Theory and Practice', Pub. Prakashan Kendra, Lucknow-226007.
2. Walter A. Friedlander : 'Introduction to Social Welfares', Pub. Prentice Hall of India Pvt. Ltd., New Delhi, 1967.
3. O. P. Dahama, O. P. Bhatnagar : 'Education and Communications for Development', Pub. Oxford IBH Publishing Co., New Delhi, Bombay.
4. L.S. Mehra : 'Youth in Modern Society', Pub. Chugh Publications, Allahabad.
5. UNESCO : 'Youth in the 1980s', Pub. The UNESCO Press.
6. Gauri Rani Banerjee : Tata Institute of Social Sciences, Series No.23.

7. S.H. Pathak : Medical Social Work in India, Pub. Principal, Delhi School of Social Work, 3, University Road, Delhi-6. (1961).
8. Jacob, K.K. : Methods and Fields of Social Work in India (1961).
९. प्र.ध. पंडित, इंदुमती चिपळूणकर : व्यक्ति सहयोग कार्य (Social Work) प्रकाशन, सौ. चिपळूणकर, सदाशिव पेठ पुणे.
१०. भांडारकर पु. ल. : सामाजिक संशोधन पद्धती, प्रकाशन म. वि. ग्रंथ मंडळ (१९७६), नागपूर.
11. Nanavati Anjaria : 'Our Rural Problems'.
12. A.R.Desai : "Rural Sociology in India," Pub. Popular Prakashan, Bombay.
१३. देशपांडे, भागवतावार, गोगटे : सामाजिक मानसशास्त्र, कॉटिनेंटल प्रकाशन, पुणे.
१४. एम.एस. सोमण : सामाजिक संशोधन पद्धती.

(४८) शारीरिक शिक्षण

(from June 1994)

उद्दिष्टे :

१. युवकांमध्ये शारीरिक शिक्षण व खेळ यासंबंधी अभिरुची वाढविणे.
२. शारीरिक शिक्षण व क्रीडा यांच्या तात्त्विक पार्श्वभूमीचा सामान्य परिचय करून देणे.
३. व्यायाम-आरोग्य-मनोरंजन यांची मूलभूत तत्त्वे समजावून देणे.
४. क्रीडा कार्यक्रमांतून विविध शारीरिक क्षमतांचा व क्रीडाकौशल्यांचा विकास करणे.
५. विविध जागतिक स्पर्धांचा परिचय करून घेणे.

बी. ए. - तीन वर्ष, इंटिग्रेटेड पदवी अभ्यासक्रमातील वैकल्पिक विषयांच्या 'जे' ग्रूपमध्ये शारीरिक शिक्षण या विषयाचा अंतर्भाव करावा. बी.ए. (शारीरिक शिक्षण - प्रथम, द्वितीय व तृतीय वर्षांना (प्रत्येक वर्षी) १०० गुणांचा अभ्यासक्रम असेल. या अभ्यासक्रमात - ६० गुण - लेखी परीक्षा
या अभ्यासक्रमात प्रतिवर्षी - ४० गुण - प्रात्यक्षिक परीक्षा घेतली जाईल.

प्रात्यक्षिक परीक्षा

क्रीडांगणावरील क्रीडाकौशल्याची ४० गुणांची परीक्षा द्वितीय सत्राच्या अखेरीस होईल.

वार्षिक प्रात्याक्षिक परीक्षा - तात्त्विक परीक्षेपूर्वी होईल.

प्रत्येक वर्षाच्या शारीरिक शिक्षण विषयात उत्तीर्ण होण्यासाठी लेखी व प्रात्यक्षिक परीक्षेत स्वतंत्रपणे किमान ४० टक्के गुण आवश्यक आहेत.

अभ्यासक्रम

गुण ६०

- घटक १: शारीरिक शिक्षण-अर्थ व्याप्ती-ध्येये-उद्दिष्टे. शारीरिक शिक्षण-क्रीडा-खेळ-विविध काळांतील संकल्पना, व्यक्तिगत, सामाजिक व राष्ट्रीय कार्यात शारीरिक शिक्षण-क्रीडा-उपयुक्तता.
- घटक २: शारीरिक शिक्षण-क्रीडाकौशल्ये व विविध शाखांचा संबंध.
शारीरिक शिक्षण-समाजशास्त्र
शारीरिक शिक्षण-जीवयांत्रिकीशास्त्र
शारीरिक शिक्षण-आरोग्यशास्त्र
शारीरिक शिक्षण-योगशास्त्र
- घटक ३: विविध क्रीडा-खेळ परिचय
कबड्डी, खोखो, व्हॉलीबॉल, हॅण्डबॉल, टेबलटेनिस, बॅडमिंटन.

प्रात्यक्षिक कार्य :

गुण ४०

(अ) विकासात्मक-व्यायामप्रकार, पूरक खेळ इ.

(ब) (१) अॅथलेटिक्स

गुण २०

धावणे, फेकीच्या बाबी, उड्यांचे प्रकार

(कोणतेही २)

(प्रत्येकी १० गुण)

(२) योगा किंवा कसरतीचे Gymnastics प्रकार गुण १०

(३) कोणताही एक खेळ

गुण १०

कबड्डी, खोखो, व्हॉलीबॉल, बास्केटबॉल, हॉकी, हॅण्डबॉल, क्रिकेट, टेबलटेनिस, बॅडमिंटन.

बी. ए. (शारीरिक शिक्षण) (प्रथम वर्ष)

प्रात्यक्षिक काम :

१. अॅथलेटिक्स :

(क) स्प्रिंट्स - क्रॉउच, बंच, बुलेट, मेडिअम.

(ख) लघुअंतर धावणे.

(ग) लांब पल्ल्यांच्या शर्यती.

२. गोळाफेक :

पकड, गोळा ठेवण्याची जागा, सुरुवातीचा पवित्रा, घसरण, फेकीचा पवित्रा, फेक, परत.

३. लांब उडी :

धावन मार्ग, टेक ऑफ, हवेतील चालणे, लँडिंग.

(ब) योगासने :

वज्रासन योगमुद्रा, सुप्त वज्रासन, पद्मासन, पद्मासनी योगमुद्रा, सर्वांगासन, हलासन, वक्रासन, भुजंगासन, अर्धशलभासन, हनुमानासन, त्रिकोणासन.

संदर्भ पुस्तके :

योगासने : सदाशिव निंबाळकर, मुंबई.

योगासने : म. ल. घरोटे.

(क) जिम्नॅस्टिक्स : जमिनीवरील व्यायाम.

फॉरवर्ड रोल वुड्थ स्प्लिट लेग, बॅकवर्ड रोल वुड्थ स्प्लिट लेग, हॅण्ड स्टॅण्ड वुड्थ फॉरवर्ड रोल, फोरहेड-स्टॅण्ड, कार्ट व्हील.

व्हॉल्टिंग हॉर्स : जंप ऑन, ऑफ, कार्ट स्पिंग, कार्ट व्हील.

List of Books

संदर्भ पुस्तके :

- (9) मा. दि. गो. वाखारकर, शारीरिक शिक्षण - तत्त्वे व मनोरंजन, नीलकंठ प्रकाशन, टिळक रोड, पुणे.
 - (2) Bucher, Charles A. : Foundation of Physical Education, St. Louis : The C.V. Mosby Company, 1986.
 - (3) Nikam Engone D. & Couson W. : An Introduction to Physical Education, Philadelphia, London : W. B. Saunders Co., 1969.
 - (4) Williams Joses Feiring : The Principles of Physical Education, Philadelphia : Saunders Co.
 - (५) प्रा. द. वि. खासनीस : क्रीडा आणि रंजन.
 - (६) डॉ. प. म. आलेगावकर : शालेय सांस्कृतिक जीवन व खेळ.
 - (7) Dyson, Geoffery, G. H. : The Mechanics of Athletics.
 - (8) Ram Bhagwat : Athletics : Prestige Prakashan, Pune.
-