

संत गाडगे बाबा अमरावती विद्यापीठ
SANT GADGE BABA AMRAVATI UNIVERSITY

वाङ्मय विद्याशाखा व समाजविज्ञान विद्याशाखा
(FACULTY OF (I) ARTS & (II) SOCIAL SCIENCES)

अभ्यासक्रमिका

वाङ्मय स्नातक भाग-२ परीक्षा, २०१०
(त्रिवर्षीय अभ्यासक्रम)

PROSPECTUS

OF

The Examination for the Degree of
Bachelor of Arts Part-II, 2010
(Three Year Degree Course)



2009

(Price Rs. 8 /-)

PUBLISHED BY
J.S.Deshpande
Registrar
Sant Gadge Baba
Amravati University
Amravati -444602

-
- © 'या अभ्यासक्रमिकेतील (Prospectus) कोणताही भाग संत गाडगे बाबा अमरावती विद्यापीठाच्या पूर्वानुमती शिवाय कोणासही पुनर्मुद्रित किंवा प्रकाशित करता येणार नाही.'
- © "No part of this prospectus can be reprinted or published without specific permission of Sant Gadge Baba Amravati University."

SANT GADGE BABA AMRAVATI UNIVERSITY AMRAVATI**SPECIAL NOTE FOR INFORMATION OF THE STUDENTS**

- (1) Notwithstanding anything to the contrary, it is notified for general information and guidance of all concerned that a person, who has passed the qualifying examination and is eligible for admission only to the corresponding next higher examination as an ex-student or an external candidate, shall be examined in accordance with the syllabus of such next higher examination in force at the time of such examination in such subjects papers or combination of papers in which students from University Departments or Colleges are to be examined by the University.
- (2) Be it known to all the students desirous to take examination/s for which this prospectus has been prescribed should, if found necessary for any other information regarding examinations etc., refer the University Ordinances Booklet the various conditions/provisions pertaining to examination as prescribed in the following Ordinances.

Ordinance No. 1	:	Enrolment of Students.
Ordinance No. 2	:	Admission of Students
Ordinance No. 4	:	National cadet corps
Ordinance No. 6	:	Examinations in General (relevant extracts)
Ordinance No. 18/2001	:	An Ordinance to provide grace marks for passing in a Head of passing and Improvement of Division (Higher Class) and getting Distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute NO.18, Ordinance 2001.
Ordinance No. 9	:	Conduct of Examinations (relevant extracts)
Ordinance No. 10	:	Providing for Exemptions and Compartments
Ordinance No. 19	:	Admission of Candidates to Degrees.
Ordinance No. 109	:	Recording of a change of name of a University student in the records of

the University.

Ordinance No. 138	:	For improvement of Division/Grade.
Ordinance No.19/2001	:	An Ordinance for Central Assessment Programme, Scheme of Evaluation and Moderation of answerbooks and preparation of results of the examinations, conducted by the University, Ordinance 2001.

Registrar
Sant Gadge Baba Amravati University

PATTERN OF QUESTION PAPER ON THE UNIT SYSTEM

The pattern of question paper as per unit system will be broadly based on the following pattern.

- (1) Syllabus has been divided into units equal to the number of question to be answered in the paper. On each unit there will be a question either a long answer type or a short answer type.
- (2) Number of question will be in accordance with the unit prescribed in the syllabi for each paper i.e. there will be one question on each unit.
- (3) For every question long answer type or short answer type there will be an alternative choice from the same unit. However, there will be no internal choice in a question.
- (4) Division of marks between long answer and short answer type question will be in the ratio of 40 and 60.
- (5) Each short answer type question shall Contain 4 to 8 short sub question with no internal choice.

SYLLABUS**PRESCRIBED FOR****B.A. Part-II Examination**

(Three Year Degree Course)

I. COMPULSORY ENGLISH

(Time: 3 Hours)

(Marks : 100)

Theory : 70

Minimum Passing Marks - 25

Viva-Voce -30

Minimum Passing Marks - 11

Text for Detailed study : A New Perspective :

An Anthology by Board of Editors published by Commonwealth University Book publishers.

Section - I PROSE

Lessons prescribed (excluding The Road to Happiness. The scientific Point of View . The stalled OX and The emerging World Society)

Lessons

1. The Stalled Ox : Saki
2. The Cop And The Anthem : O, Henry
3. Education for New India : C Rajagopalachari
4. Indian Philosophy : C.E. M.Joad
5. The Road to Happiness : Bertrand Russel
6. Subha : Rabindranath Tagore
7. The Emerging World Society : Dr.S. Radhakrishnan
8. The Scientific Point of View : J.B.S. Haldane
9. Tight Corners : E.V.Lucas
10. Letter To His Son : Hazlitt
11. Environmental Countdown Where We Are Losing And Winning : Wesley Mark
12. India of My Dreams : M.K. Gandhi

Section - II : Poetry

Poems prescribed (excluding The Sea Fever and Blind Boy)

Poems

- 1) Refugee Blues : W.H.Auden
- 2) The Sea Fever : Masfield
- 3) To a Skylark : W.Wordsworth.
- 4) Blind Boy : Colley Cibber
- 5) O Captain My Captain W. Whitman
- 6) Next. please : Philip Larkin
- 7) Once Upon A Time : Gabriel Okara
- 8) Freedom : Sufdar Hashmi

9) The Felling of Banyan Tree : Dilip Chitre

10) To A Student : Kamla Wijayratne

Section III Language Skills.

- i) Direct and Indirect speech
- ii) Synthesis of Sentences
- iii) Transformation
- iv) Expansion of an Idea
- v) Letter Writing

Distribution of Marks**Unit-I Prose Section**

- (i) The students will have to answer THREE out of FIVE long =15

Answer Questions of FIVE marks each

- (ii) The students will have Answer FIVE out of EIGHT Questions in a sentence or Two carrying ONE mark each =05

Unit-II Poetry Section

- (i) The students will have to answer THREE out of FIVE long =15

Answer Questions of FIVE marks each

- (ii) The students will have to answer FIVE out of EIGHT Question in a sentence or Two carrying ONE mark each =05

Unit-III Language Skills

- i) Direct and Indirect speech =04
- ii) Synthesis of Sentences =04
- iii) Transformation =10 =30
- iv) Expansion of an Idea =07
- v) Letter Writing =05

Viva-voce =30

There shall be Viva-voce Test carrying 30 marks to be assessed by External / Internal Examiner.

Total Marks = 100

Books Recommended :

1. Strengthen your writing V.R.Narayan Swami (Orientlory)
2. Enriching your competence in English : A.R.Thorat, B.S.Valke, S.B.Gokhale
3. English for all : Dr.Nilanjana Gupta (Macmillan)
4. Macmillan's Dictionary
5. Cambridge Learner's Dictionary

मराठी अनिवार्य

वेळ ३ तास एकूण गुण १००
अभ्यासक्रमासाठी नेमलेले पाठ्यपुस्तक - 'पूर्णायाय भाग-२' (अमरावती विद्यापीठ प्रकाशन) या पुस्तकात पुढील प्रमाणे विभाग राहतील.

विभाग अ : वैचारिक

विभाग ब : ललित

विभाग क : कविता

विभाग ड : निबंध आणि व्यावहारिक मराठी

विभाग 'अ', 'ब' आणि 'क' यांवर प्रत्येकी १५ गुणांचा एक दीर्घोत्तरी प्रश्न आणि प्रत्येकी १० गुणांचा एक लघुत्तरी असे प्रश्न विचारले जातील.

विभाग 'ड' मध्ये पाठ्यपुस्तकावर आधारित १५ गुणांचा एक निबंध आणि व्यावहारिक मराठी या विषयावर प्रत्येकी ५ गुणांचे २ प्रश्न राहतील.

हिन्दी (अनिवार्य भाषा)

३ घंटे कुल गुण १००

1. निर्धारित पाठ्य पुस्तक (अपूर्वा) जयभारती प्रकाशन इलाहाबाद
2. पाठ्य पुस्तक तीन भागों में विभक्त की गई है।
I आधारभूत पाठ्यक्रम
II भाषागत पाठ्यक्रम
III पद्य विभाग
3. सम्पूर्ण पाठ्यक्रम निम्नांकित इकाइयों में विभाजित किया गया है।
1. प्रथम इकाई - आधारभूत पाठ्यक्रम (30 अंक)
2. द्वितीय इकाई - भाषागत पाठ्यक्रम (30 अंक)
3. तृतीय इकाई - पद्य विभाग (10 अंक)
4. चतुर्थ इकाई - व्यावहारिक भाषा एवं व्याकरण (30 अंक)

प्रश्नपत्र का स्वरूप

1. प्रथम इकाई (आधारभूत पाठ्यक्रम)
(क) दीर्घोत्तरी प्रश्न (एक) विकल्प के साथ (10 अंक)
(ख) लघुत्तरी प्रश्न (चार) (सात में से चार प्रश्न करने होंगे)(20 अंक)
2. द्वितीय इकाई - (भाषागत पाठ्यक्रम)
(क) दीर्घोत्तरी प्रश्न (एक) विकल्प के साथ (10 अंक)
(ख) लघुत्तरी प्रश्न (चार) (सात में से चार प्रश्न करने होंगे)(20 अंक)
3. तृतीय इकाई (पद्य विभाग) दो प्रश्न पुछे जायेंगे (विकल्प के साथ) (10 अंक)
4. चतुर्थ इकाई (व्यावहारिक भाषा एवं व्याकरण) (30 अंक)
(इस इकाई का अंक विभाजन निम्नानुसार होगा।)
1. अपठित गद्यांश स्तर लेखन) - 5 शीर्षक -2 = (7 अंक)
2. पल्लवन (कल्पनाविस्तार) (10 अंक)
3. मुहावरे व लोकोक्तियाँ मुहावरे एवं कहावतों का अर्थ लिखकर वाक्य में प्रयोग (मुहावरे-4 लोकोक्ति-4) (8 अंक)
4. पत्र - लेखन (5 अंक)
100 अंक

संदर्भ ग्रंथ

1. प्रयोजन मूलक हिन्दी - विनोद गोदरे
2. प्रयोजन मूलक हिन्दी - ई.एन.अय्यर
3. हिन्दी रचना प्रबोध - डॉ.बच्चुलाल अवस्थी "ज्ञान" साहित्य भवन के.पी.कक्कड रोड, इलाहाबाद-2
4. सामान्य हिन्दी बोधायन - रामदयाल कोष्टा व डॉ.विजय कुमार सिंघई खन्ना प्रकाशन, जबलपूर.
5. व्यावहारिक हिन्दी व्याकरण - डॉ.नामदेव उतरकर
6. प्रामाणिक आलेखन और टिप्पण - राजपाल एण्ड सन्स - दिल्ली

URDU (COMPULSORY)

Time : 3 Hours

Maximum Marks : 100

TEXT PRESCRIBED: SHUA-E-ADAB (PART-II)

UNITWISE DISTRIBUTION OF MARKS

UNIT-I (PROSE) 20 Marks
The following Four lessons from Text (Foundation Course)

(There shall be Four Short Answer questions out of Eight of Five marks each.)

UNIT-II (POETRY) 18 Marks
The following Ghazals from Text.

(There shall be Explanation of Six Couplets out of Ten of 3 marks each.)

UNIT-III The following lessons from Text. 20 Marks

(There shall be Four short answer questions out of Eight of 5 marks each.)

UNIT-IV The following lessons from Text. 20 Marks

UNIT-V Communication Skill

- a) Essay on general Topics 12 Marks
b) Official letters
(Complaints, Application for Job) 10 Marks

COMPULSORY LANGUAGE

SUPPLEMENTARY ENGLISH

Time 3 Hours)

(Marks 100)

General Language Skills

- (a) Essay Writing
(b) Precis Writing
(c) Report Writing

Literature in English Language

Texts Prescribed:

1. Grounding in English Ed.by Editorial Board (Pub.Macmillan) Lessons prescribed -
From Section I : Essays No.1,4,5,8,9,10,11,12,
From Section II: 1,2,3,4,5.

2. The Best Order, Ed.by Ezekeil, Bharwani and Bhauu (Pub.Macmillan)

The following poems are prescribed :

- | | | |
|-------------------------|---|----------------|
| i) Sonnet | : | Shakespeare |
| ii) Paradise Lost | : | Milton |
| iii) Spirit | : | A.H.Clough |
| iv) Pied Beauty | : | G.M.Hopkins |
| v) From Gitanjali | : | Tagore |
| vi) The Great Lover | : | Rupert Brooke |
| vii) Chicago | : | Carl Sandburg |
| viii) The Waking | : | T.Roethke |
| ix) Enterprise | : | Ezekeil |
| x) The Fancy Dress Show | : | Kamla Das |
| xi) Servants | : | Gieve Patel |
| xii) Exile | : | R.Parthasarthy |

Scheme of Marking

- (i) The Examinees will have to write a general Essay)
of about 400 words on any One out of Five topics) = 20
- (ii) The Examinees will have to write, a Precis of a passage of about 250
words,in 1/3rd of its length) = 10
- iii) The Examinees will have to write a report on a topic = 10

iv) Grounding in English :	
The examinees will have to answer any Three out of Five Questions, based on the prescribed texts of 10 Marks each	= 30
v) The Best Order:	
The examinees will have to answer any Three out of Five Questions, based on the text, of 10 Marks each)	= 30
Total	= 100

COMPULSORY (CLASSICAL) LANGUAGES**आवश्यक संस्कृत (Compulsory Sanskrit)**

वेळ ३ तास	गुण १००
Unit-I - पूर्व मेघ	३०
Unit-II - उत्तरमेघ	३०
Unit-III - भगवद्गीता अध्याय १६ वा	२०
Unit-IV - इतिहास (संस्कृत साहित्याचा) वाल्मीकी, व्यास, भास, अश्वघोष, कालिदास, बाण, भवभूति.	२०

प्रश्नपत्रिकेचे स्वरूप

प्रश्न १ ला	श्लोकांचा अनुवाद ६ पैकी ४	२०
प्रश्न २ रा	(अ) संदर्भासह स्पष्टीकरण ५ पैकी ३ (ब) टिपणे लिहा - ५ पैकी ३	१५
प्रश्न ३ रा	दीर्घोत्तरी प्रश्न २ पैकी १	१०
प्रश्न ४ था	भगवद्गीता - श्लोकांचा अनुवाद ६ पैकी ४	२०
प्रश्न ५ वा	संस्कृत साहित्याचा इतिहास वाल्मीकी, व्यास, भास, अश्वघोष, कालिदास, बाण, भवभूती यापैकी ४ पैकी दोनची माहिती लिहा.	२०

संदर्भ ग्रंथ

- १) मेघदूत - रा.शि.बालिंबे
- २) भगवद्गीता - चौखम्बा गीता प्रेस , गोरखपूर.
- ३) मेघदूतम् - प्रा. बोखनकर
- ४) संस्कृत साहित्याचा सोपपत्तिक इतिहास- डॉ. करंबेळकर

- ५) संस्कृत साहित्यका इतिहास - डॉ.बलदेव उपाध्याय.

**पालि आणि प्राकृत
(आवश्यक)**वेळ ३ तास एकूण गुण १००**Prescribed selections from Pali Texts**

१. गद्य विभाग (गज्ज विभागोः) -	४०	Marks
१. वासेट्टत्त (मज्झिम निकाय)		
२. मखादेवसुत्त (मज्झिम निकाय)		
२. गद्य विभाग (पज्ज विभागो) -	४०	Marks
१. सहस्सवग्ग (धम्मपद - ८)		
२. मेत्तसुत्त (सुत्तनिपात-१-८)		
३. पटाचाराथेरी (थेरीगाथापालि)		
४. भिगजाल थेर (थेरगाथापालि)		
३. पालि - व्याकरण -	२०	Marks
पाली सर्वनाम, वचन, लिंग, क्रियापद, विभक्ति		

संदर्भ ग्रंथ

१. मज्झिमनिकाम पालि (नालंदा संस्करण)
२. धम्मपद (डॉ.भदंत आनंद कौसल्यायन)
३. सुत्तनिपात (डॉ.भिक्षु धर्मरक्षित)
४. थेरगाथा (डॉ.विमलकीर्ती)
५. थेरगाथा (डॉ.विमलकीर्ती)
६. आवश्यक पालि (डॉ.भ.आ.कौसल्यायन)
७. पालि साहित्य का इतिहास - डॉ.भरतसिंह उपाध्याय
८. पालि साहित्याचा इतिहास - डॉ.तगारे

III ANY THREE OF THE FOLLOWING SUBJECTS**1. ENGLISH LITERATURE**

Time : 3 Hours

Max.Marks : 100

SECTION - A (Literary Background)**Unit-I: Background**

Text Prescribed : A Background to the Study of English Literature By B Prasad 20
(Revised Edition 1999) (Published by Macmillan & Co.)
Section III (Complete) is prescribed.

SECTION - B (Literary Texts)**Unit II : PROSE :****Text Prescribed**

Pleasures of English Prose : Ed.N.M.Nigam 25

(Published by Macmillan & Co.)

(All essays excluding (i) Of Truth and (ii) The Convalescent)

Unit III : Short Stories

15

Text Prescribed: Vignettes of Life (A Collection of Short Stories)

(Ed.T.Padma) (Published by - Macmillan & Co.)

(All stories excluding, Subha)

Unit IV : Poetry

25

Text Prescribed :

The Winged Word

(An Anthology of Poems for Degree Course)

Edited by David Green. (Published by Macmillan & Co.)

The following poems are prescribed:

- i) Sonnet No.130 - My Mistress' Eyes - William Shakespeare
- ii) Lover's Infiniteness - John Donne
- iii) Dirge - James Shirley
- iv) The Garden - Andrew Marvell
- v) A Red, Red Rose - Robert Burns
- vi) Dejection : An Ode - S.T.Coleridge
- vii) Ode to Psyche - John Keats
- viii) Break,Break, Break - Lord Tennyson
- ix) A Wish - Matthew Arnold
- x) Leda & The Swan - W.B. Yeats

Unit - V SECTION C (Applied Language Skills)

1. "Editorial Writing = 07 Marks
2. Script Writing for film/radio/T.V. = 08 Marks

Distribution of Marks**Section A : Literary Background**

Unit-I	Background.....	20 Marks
	The examinees shall have to attempt any One out of Two long answer questions, of 10 marks each :10 Marks	
	The examinees shall have to attempt any Two out of Five Short Notes of 05 marks each.	10 Marks

Section B: (Literary Texts)

Unit-II: Prose.....	25 Marks
----------------------------	-----------------

The examinees shall have to attempt

- | | |
|--|----------|
| A) One long Answer question Out of Three | 15 Marks |
| B) Two out of Four Passages for Explanation With Reference to the Context,5 Marks each | 10 Marks |

Unit-III Short stories

15 Marks

The examinees shall have to attempt One

long answer question Out of Three 15 Marks

Unit-IV Poetry

25 Marks

The examinees shall have to attempt

- | | |
|---|----------|
| A) One long Answer question Out of Three | 15 Marks |
| B) Two out of Four Passages for Explanation with Reference to the Context, 5 Marks each | 10 Marks |

Section C; (Applied Language Skills).....**15 Marks****Unit-V**

- | | |
|--|----------|
| 1. Editorial Writing (topic should be given) | 07 Marks |
| 2. Script Writing for film/radio/T.V. | 08 Marks |

Books Recommended

1. What to say when - Vioin Hrggins (B.B.C.London)
2. Developing Communication Skills - Krishna Mohan, Meera Banerji (Macmillan India Ltd)
3. Principles and Techniques of Journalism - B.N.Ahuja and S.S.Chhabra (Surjeet Publications)
4. Audio Visual Journalism - B.N.Ahuja (Surjeet Publications)
5. Career in Journalism - Ajay Rai (Tarang Paperbacks) (Vikas)
6. Structuring Paragraphs - A Frankhri Parks James A. Levernier Ida Masters Hollowell (St.Martin's Press)
7. Dear Editor :- Prafulla Goradia (Sterling Publishers Pvt.Ltd)
8. Introduction to the Study of English Literature - W.H.Hudson.

2. Literature of the Modern Languages**MARATHI LITERATURE**

(मराठी वाङ्.मय) (ऐच्छिक)

वेळ : ३ तास)

(पूर्ण गुण : १००

पाठ्यपुस्तके (सूक्ष्म अभ्यासाकरिता) :

१. दृष्टांतपाट : संपादक : शं.गो.तुळमुळे, व्हीनस प्रकाशन, तपश्चर्या ३८१/१/कं.शनिवार गेट, पुणे १११०३०
२. तुकाराम : व्यक्तित्व आणि कवित्व : संपादक किशोर सानप/मनोज

तायडे (तुकारामाचे निवडक अभंग) प्रकाशन : लोकवाड.मय गृह, मुंबई

३. साहित्य विचार : संपादक : डॉ.दत्तात्रय पुंडे आणि स्नेहल तावरे (प्रकरण १ ते ६ अभ्यासक्रमात समाविष्ट) स्नेहवर्धन पब्लिसिंग हाऊस, पुणे.

सूचना :- शुध्दलेखन मराठी साहित्य मंडळाच्या नियमानुसार असावे. या प्रश्नपत्रिकेसाठी गुणांची विभागणी पुढीलप्रमाणे राहिल.

प्रश्न १संदर्भासह स्पष्टीकरण

दृष्टांत पाठ या पुस्तकावर दोन संदर्भ आणि

तुकाराम व्यक्तित्व आणि कवित्व यावर दोन संदर्भ गुण : २०

प्रश्न २ दृष्टांतपाठ : दीर्घोत्तरी प्रश्न

गुण : २०

प्रश्न ३ दृष्टांतपाठ : लघुत्तरी प्रश्न

गुण : १०

प्रश्न ४ तुकाराम : व्यक्तित्व आणि कवित्व : दीर्घोत्तरी प्रश्न गुण : २०

प्रश्न ५ साहित्यविचार - दीर्घोत्तरी प्रश्न गुण : १५

प्रश्न ६ साहित्य विचार - दीर्घोत्तरी प्रश्न गुण : १५

एकुण गुण : १००

हिन्दी (ऐच्छिक)

इस विषय पर एक प्रश्न पत्र तीन घंटे का होगा । कुल अंक १०० है ।

पाठ्यग्रंथ

"काव्य कलश" जयभारती प्रकाशन, इलाहाबाद

1. निर्धारित कवि :- मैथिली सरण गुप्त, जयशंकर प्रसाद, सुर्यकांत त्रिपाठी "निराला" अक्षेप, हरिवंशराय बच्चन, धूमिल ।
2. कोणार्क (नाटक) : जगदीशचंद्र माथुर प्रकाशक : राधाकृष्ण प्रकाशन प्राइवेट लिमिटेड जी- 17, जगतपुरी, - दिल्ली - 110051
3. कलापुर्ण एकांकी : संपादक : डॉ.विजयपालसिंह प्रकाशन : जयभारती प्रकाशन इलाहाबाद
4. हिन्दी साहित्य का इतिहास :- आदीकाल, भक्तिकाल, रीतिकाल)

5. प्रश्नपत्र का अंक विभाजन निम्ननुसार होगा :-

प्रश्न १ :- पाठ्यपुस्तक - काव्य संग्रह से दो पद्यांश, संदर्भ सहित व्याख्या के लिए विकल्प के साथ पुछे जायेंगे । २०

प्रश्न २ :- पाठ्यपुस्तक "कोणार्क" ((नाटक) से संदर्भ सहित व्याख्या के लिये एक गद्यांश विकल्प के साथ पूछा जायेगा। १०

प्रश्न ३ :- निर्धारित कवियों पर आलोचनात्मक प्रश्न विलकल्प के साथ पूछा जायेगा। १०

प्रश्न ४ :- "कोणार्क" (नाटक) से आलोचनात्मक प्रश्न विकल्प के साथ पूछा जायेगा। १०

प्रश्न ५ :- 'कलापुर्ण एकांकी' से लघुत्तरी प्रश्न (४ x ५) २० सात प्रश्न पुछे जायेंगे, जिनमे से चार प्रश्न करने होंगे।

प्रश्न ६ :- हिन्दी साहित्य के इतिहास पर एक प्रश्न विकल्प के साथ पूछा जायेगा । १०

प्रश्न ७ :- संपुर्ण पाठ्यक्रम पर आधारित वस्तुनिष्ठ प्रश्न एवं अति लघुत्तरी प्रश्न पूछे जायेंगे । २० X १ = २० २०

१००

सहाय्यक पुस्तके :-

1. साकेत : एक अध्यायन - डॉ.नगेन्द्र
2. मैथिली शरण गुप्त - व्यक्तित्व और काव्य :- डॉ.कमला कान्त पाठक
3. प्रसाद का काव्य - डॉ.प्रेमशंकर
4. क्रान्तिकारी कवि निराला - बच्चन सिंह
5. हिन्दी साहित्य के आधुनिक प्रतिनिधी कवि - डॉ.द्वारका प्रसाद सक्सेना
6. मुक्तिबोध कविता और जीवन - चंद्रकॉल देवताले
7. अज्ञेय - निर्मला शर्मा
8. नवी कविता एक मूल्यांकन - शंभुदत्त पांडेय
9. छाया वादोत्तर हिन्दी कविता (एक अंतरयात्रा) लेखिका डॉ.मधुमाला न्याल प्रकाशन ग्रंथायन सर्योदय नगर, अलीगढ.
10. हिन्दी साहित्य का इतिहास - डॉ.नगेन्द्र

11. हिन्दी साहित्य का इतिहास - आचार्य राम चन्द्र शुक्ल
12. हिन्दी साहित्य का इतिहास - लक्ष्मी सागर वाष्णीय
13. हिन्दी साहित्य के आधुनिक प्रतिनिधिकवि - डॉ. द्वारका प्रसाद सक्सेना.

**URDU LITERATURE
(OPTIONAL)**

Time 3 Hours)

(Full Marks 100)

1. Prose Umraoan Ada
Mrza Mohd.Hadi Ruswa

(Published by Kitab ghar, Lucknow)
2. Poetry : Musaddas-e-Hali "Hali"

(Published by Ram Narayan Lal Allahabad)
3. History of Urdu Literature (1857 to 1914)

BOOKS RECOMMENDED**Unitwise distribution of marks**

Unit-I	Prose : Umraoan Ada Passages for explanation (Short answer type)	20 Marks
Unit-II	Poetry : Musaddas-e-Hali Passages for explanation (Short answer type)	20 Marks
Unit-III	A : Critical question on the Text Umraoan Ada (Short answer type)	10 Marks
	B : Critical questions on the text Musaddas-e-Hali (Short answer type)	10 Marks

Unit-IV	Life and works of the Authors prescribed (Long answer type)	20 Marks
Unit-V	History of Urdu Literature (Long answer type)	20 Marks

Total - 100 Marks

३. संस्कृत ऐच्छिक

वेळ ३ तास	गुण १००
Unit-I विशारवदत्तकृत मुद्रारक्षसमं	२५
Unit-II विशारवदत्तकृत मुद्रारक्षसम	२५
Unit-III काव्यप्रकाश मम्मटविरचित पहिला व दुसरा उल्लास	२०
Unit-IV लघुसिध्दांत कौमुदी स्वरसंधि	२०
Unit-V पत्रलेखन	१०
प्रश्न १ ला - श्लोकांचा अनुवाद - ८ पैकी ४	२०
प्रश्न २ रा (अ) संदर्भासह स्पष्टीकरण ५ पैकी ३	१८
(ब) दीर्घोत्तरी प्रश्न (२ पैकी १)	१२
प्रश्न ३ रा - दीर्घोत्तरी प्रश्न दोन पैकी १ (पहिला उल्लास)	१०
दुसरा उल्लास दीर्घोत्तरी प्रश्न किंवा टिपणे	
दोन पैकी १ टिपणे ३ पैकी २	१०
प्रश्न ४ था (अ) सूत्रांचे स्पष्टीकरण करा	१०
(ब) संधि सोडवा	१०
प्रश्न ५ वा पत्रलेखन	१०

संदर्भ ग्रंथ

- १) विशारवदत्तकृत मुद्राराक्षसम - चौखम्बा प्रकाशन वाराणसी
- २) काव्यप्रकाश - प्रा. हातवळणे
- ३) लघुसिध्दान्त कौमुदी - म.दा.साठे.

Time : 3 Hours)

(Full Marks 100)

9. Prescribed Selections from Pali Texts-

- (A) गद्य विभाग (गज्ज विभागो) — ४० Marks
१. अजपालकथा (विनयपिटकपालि)
 २. मुचल्लिंदकथा (विनयपिटकपालि)
 ३. मधुरसुत्त (मज्झिमनिकाय)- ३४)
- (B) पद्य - विभाग (पज्ज-विभागो) — ४० Marks
१. धनियसुत्त (सुत्तनिपात - उरगवग्ग)
 २. कसिंभारद्वाजसुत्त (सुत्तनिपात उरगवग्ग)
 ३. पुप्फवग्ग (धम्मपद-४)
 ४. कल्याण धम्म जातकपालि
- (C) पाली- व्याकरण —

२० Marks

१. संधी, २ समास

संदर्भ ग्रंथ

१. पालि साहित्य का इतिहास - डॉ. भरतसिंह उपाध्याय
२. पाली साहित्याचा इतिहास - डॉ. तगारे
३. आवश्यक पालि - डॉ. भदंत आनंद कौसल्यायन
४. विनयपिटकपालि (इगतपुरी संस्करण)
५. मज्झिमनिकाय पाली (इगतपुरी संस्करण)
६. सुत्तनिपात (डॉ. भिक्खु धर्मरक्षित)
७. थेरगाथा (डॉ. विमलकीर्ती)
८. थेरीगाथा (डॉ. विमलकीर्ती)
९. धम्मपद (डॉ. भ. आ. कौसल्यायन)

Time : 3 Hours)

(Total Marks : 100)

Distribution of Marks

Unit-I	: Prose	20 Marks
Unit-II	: Poetry	25
Unit-III	: Lives of Authors	20
Unit-IV	: Rapid Reading	20
Unit-V	: History of Persian Lit.	15
Total Marks		100

For detailed study:

I. Prose: Following selections from "Hadiqua-e-Farsi" Part-II
 Published by Advacate B.S.Taji New Town, Badnera

II. Poetry: Following selections from "Hadiqua-e-Farsi" Part-II

III. Rapid -Reading -: -Following -selections -from -Hadiqua-e-Farsi PartII

IV. History of Persian Literature in India "Babar to Zafar."

Books Recommended:

Question paper will be set on the following pattern.

Q.No.1 Two -short -answer -type -questions -one -of -15 -Marks -& -one of 5 Marks based on Unit I i.e.

- (A) i) Explanation of one passage from
ii) Explanation of one passage from

OR

- i) Explanation of one passage from
ii) Explanation of one passage from

Different passages from asked in above sections.

(B) **Summary of short story from**

Q.No.2 i) Two short type questions one of 10 marks and one of 15 marks each based on Unit II i.e.

- (a) Explanation of five couplets from

OR

Explanation of five couplets from

- (ii) Explanation of any two sets of couplets from three sets each consists of four couplets from

- (iii) Translation of three couplets from

Q.No.3 One long answer type question of 20 marks based on Unit III i.e. Critical question on any one of the poet and authors prescribed in the syllabus with alternate choice.

Q.No.4 Two short answer type questions of 10 marks based on Unit IV i.e.

- i) Translation of one passage from with alternate choice.

ii) Objective type questions on

Q.No.5 One long answer type question of 15 marks based on Unit V

4. MATHEMATICS

(W.E.F. 2004-2005 SESSION)

PAPER-I: ADVANCED CALCULUS

Unit-I : **Sequence :** Theorems on limits of sequences, Bounded and monotonic sequences. Cauchy's Convergence Criterion.

Series : Series of non-negative terms, convergence of Geometric series and the series $\sum 1/n^p$. Comparison test. Cauchy's Integral test, Ratio test, Root test. Alternating series. Leibnitz's theorem. Absolute and conditional convergence.

Unit-II : Limit and continuity of functions of two variables. Algebra of limits & continuity, continuity of composite function. Partial differentiation. Euler's theorem on homogeneous functions.

Unit-III: Envelopes, Evolutes, Maxima and Minima. Saddle points of functions of two variables. Lagrange's Multiplier method. Taylor's theorem for function of two variables. Jacobians.

Unit-IV: Beta and Gamma function, double integral (definition and existence), Evaluation of double integral. Change of order of integration in double integral. Triple integral as a natural extension of double integral. Dirichlet's integral.

Unit-V: Directional derivative, gradient, divergence and curl. Expansion formulae for gradient, divergence and curl. Surface and volume integral.

Theorem of Gauss, Green's and Stoke's theorem and problems based on these theorems.

References :

- 1) T.M.Karade, Maya S. Bende, "Lectures on Vector Analysis and Geometry", Sonu-Nilu Publication, Nagpur.
- 2) Murray, R. Spiegel, Vector Analysis, Scitram Publishing Company, New York.
- 3) Shanti Narayan, A Text Book of Vector Calculus, S.Chand and Company, New Delhi.
- 4) Gabriel Klambaur, Mathematical Analysis, Marcel Dekker, Inc. New York, 1975.
- 5) Gorakh Prasad, Differential Calculus, Pothishala Pvt., Ltd. Allahabad.
- 6) Murray R. Spiegel, Theory and Problems of Advanced Calculus, Schum Publishing Co., New York.
- 7) Gorakh Prasad, Integral Calculus, Pothishala Pvt., Ltd. Allahabad.

- 40 B.A.-II Examination, 2010
- 8) S.C.Malik and Arora, Mathematical Analysis, Wiley Eastern Ltd. New Delhi.
 - 9) O.E.Stanaitis, An Introduction to sequences, Series and improper integrals, Holden-Dey, Inc. SAn Francisco, California.
 - 10) Earl D.Rainville, Infinite Series, The Macmillan Company, New York.
 - 11) N.Piskunov, Differential and Integral Calculus, Peace Publishers, Noscov.
 - 12) Shanti Narayan, A course of Mathematical Analysis, S.Chand and Company, New Delhi.
 - 13) P.K.Jain and S.K.Kaushik, An Introduction to Real Analysis, S.Chand & Co., New Delhi.
 - 14) D.Somasundaram and B.Choudhary, A First course in Mathematical Analysis, Narosa Publishing House, New Delhi.
 - 15) T.M.Apostol, Mathematical Analysis, Narosa Publishing House, New Delhi.
 - 16) R.R.Goldberg, Real Analysis, Oxford & I.B.H.Publishing Co., New Delhi.
 - 17) N.Ch.S.N. Iyengar, Vector Analysis, Anmol Publications, Pvt.Ltd., New Delhi.
 - 18) N.Saren and S.N.Nigam, Introduction to vector Analysis, Pothishala Pvt.Ltd. Allahabad.
 - 19) T.M.Karade, J.M.Salunke, A.G.Deshmukh, M.B.Bendre, "Lectures on Advanced Calculus" - Sonu-Neelu Publication Nagpur.

PAPER-II: DIFFERENTIAL EQUATIONS

- Unit-I :** **Series solutions of differential equations** - Power series method. Bessel and Legendre equations. Bessel and Legendre functions and their properties, recurrence and generating relations. Orthogonality of functions. Sturm-Liouville problem. Orthogonality of eigen-functions. Reality of eigenvalues. Orthogonality of Bessel functions and Legendre polynomials.
- Unit-II :** **Laplace Transformation** - Linearity of the laplace transformation. Existence theorem for Laplace transforms. Laplace transforms of derivatives and integrals. Shifting theorems. Differentiation and integration of transforms. Convolution theorem. Solution of integral equations and systems of differential equations using the Laplace transformation. Fourier transform, Sine & Cosine transform. Inverse fourier transform. Application to ordinary and partial differential equations.
- Unit-III:** Partial differential equations of the first order. Lagrange's solution. Some special types of equations which can be solved easily by methods other than the general method. Charpit's general method of solution. Jacobi's method.
- Unit-IV :** Partial differential equations of second and higher orders. Classification of linear partial differential equations of second order. Homogeneous and non-homogeneous equations with

Sant Gadge Baba Amravati University Prospectus 41
constant coefficients. Partial differential equations reducible to equations with constant coefficients. Monge's methods.

Unit-V : **Calculus of Variations** - Variational problems with fixed boundaries - Euler's equation for functionals containing first order derivative and one independent variable Extremals functionals dependent on higher order derivatives. Functionals dependent on more than one independent variable. Variational problems in parametric form. Invariance of Euler's equation under coordinates transformation.

References :

- 1) T.M.Karade, Lectures on Differential Equations, Sonu Nilu Publication, Nagpur.
- 2) Erwin Kreyszig. Advanced Engineering Mathematics, John Wiley & Sons, Inc, New York, 1999.
- 3) D.A.Murray, Introductory Course on Differential Equations. Orient Longman, (India), 1967.
- 4) A.R.Forsyth. A Treatise on Differential Equations. Macmillan and Co. Ltd.London.
- 5) Ian N., Sneddon, Elements of Partial Differential Equations. McGraw-Hill Book Company, 1988.
- 6) Francis B.Hilderbrand. Advanced Calculus for Applications. Prentice Hall of India Pvt.Ltd., New Delhi. 1977.
- 7) Jane Cronin. Differential equations, Marcel Dekkar, 1994.
- 8) Frnak Ayres. Theory and Problems of Differential Equations. McGraw Hill Book Company, 1972.
- 9) Richard Bronson, Theory and Problems of Differential Equations. McGraw Hill Inc, 1973.
- 10) A.S.Gupta, Calculus of Variations with Applications. Prentice-Hall of India, 1997.
- 11) B.Courant and D.Hilbert. Methods of Mathematical Physics. Vols.I & II. Wiley - interscience, 1953.
- 12) I.M.Gelfand and S.V.Fomin. Calculus of VARIations, Prentice-Hill. Englewood Cliffs (New Jersey), 1963.
- 13) A.M.Arthurs. Complementary Variational Principles. Clarendon Press. Oxford, 1970.
- 14) V.Komko, Variational Principles of Continuum Mechanics with Engineering Application, Volume-I. Reidel Publication, Dordrecht. Holland, 1985.
- 15) J.I.Oden and J.N.Reddy, Variational Methods in Theoretical Mechanics, Springer Verlag, 1976.

- 16) I.N.Sneddon. Fourier Transforms.
 17) Goel V. Gupta, Integral Transforms, Pragati Prakashan, Merut.

PAPER-III: MECHANICS

Statics :

Unit-I : Analytical conditions of equilibrium of Coplanar forces. Virtual work, Catenary.

Unit-II : Forces in three dimensions. Poinot's central axis. Wrenches. Null lines and planes.

Dynamics :

Unit-III : Velocities and accelerations along the coordinate axes, radial and transverse directions and along tangential normal directions. Projectile.

Unit-IV : Motion in resisting medium. Motion of particles of varying mass. Constraints. D'Alembert's principle and Lagrange's equations.

Unit-V : Reduction to the equivalent one - body problem. Virial theorem. Central Orbits. Kepler's laws of motion.

References :

- 1) T.M.Karade, Maya S.Bendre, Lectures on Mechanics, Sonu-Nilu Publication Nagpur.
- 2) S.L.Loney, Statics MacMillan and Company, London.
- 3) R.S.Verma, A Text Book on Statis, Pothishala Pvt.Ltd. Allahabad.
- 4) S.L.Loney, An Elementary Treatise on the Dynamics of a Particle & of rigid bodies, Cambridge University Press, 1956.
- 5) H.Goldstein, Classical Mechanics (2nd Edition) Narosa Publishing House, New Delhi.
- 6) S.L.Loney, An Elementary Treatise on Statics, Kalyani Publishers, New Delhi.- Ludhiana
- 7) D.K.Daftari, V.N.Indurkar, Elements of Static, Published by Dattsons, J. Nehru Marg, Nagpur.
- 8) M.A.Pathan, A Modern Text Book of Static, Pragati Prakashan, Meerut.

5. HISTORY

History of India (From 1526 to 1947 A.D.)

Objective : The students shall have an integrated view of the process & change in the society, economy, and civilisation in the context of political conversions.

- Notes:-**
1. One question from each unit will have to be answered.
 2. Five lectures per week shall be provided for instructions
 3. Facilities of excursion tours for students are made available

once in a year, preferably in Diwali vacation. The financial burden shall have to be borne by the participants.

Time 3 Hours

Total Marks-100

- Unit-I** LATER MEDIEVAL PERIOD (1526- 1761 A.D.)
1. Establishment, and consolidation of Mughal Empire: Babur, Akbar and Aurangzeb.
 2. Emergence of the Maratha (upto 1707 A.D)power. Mughal relations with the Marathas.
 3. Mughal polity: Administrative structure; mansabdari; and jagirdari.
 4. Mughal ruling classes: Ulema; nobility; abd Jamindars.
- Unit-II** A PERIOD OF MUGHAL ASCENDANCY (1526 - 1760 A.D.)
1. Economy: Rural economy ; agricultural production; Management of water resources
 2. Trade and commerce: Trade routes and pattern of commerce; monetry system.
 3. Society: The village community and peasantry ; agricultural labour and slaves. Urban social structure; merchants; bankers, artisans, craftsmen and labourers
 4. Status of women and their rights; Parada, dasi, sati.
 5. Religion: Sufis, Sant tradition- Sikh, Kabirpanthis, Vaishnava bhakti.
- Unit-III** CONSOLIDATION OF BRITISH RULE (1760-1947)
1. Advent of European Powers: Portuguese; French; English.
 2. Tools of expansion: diplomacy: Subsidiary alliance and doctrine of lapse.
 3. Economic changes: Land revenue statements: Permanant settlement; ryotwari and mahalwari. Commercialisation of agriculture; and its effects.
 4. Social and cultural changes: rise and growth of modern education; socio-religious movements-Brahmo Samaj, Arya Samaj and Ramkrishna Mission;
 5. Status of women.
- Unit-IV** NATIONALISM.
1. Popular resistance to Company's Rule: revolt of 1857-causes, nature and results.
 2. Indian Resaissance: emergence of organised nationalism; and Indian National congress.

3. Emerging communal trends.
4. Constitutional developments: 1909 & 1919 Acts.
5. Impact of first world war.

Unit-V IDEAS AND MOVEMENTS : 1919-1947.

1. Rise of Gandhiji, Gandhian ideology and movements- Satyagrah non-cooperation, civil disobedience, Quit-India.
2. Revolutionary left-wing movements;
3. Subhaschandra Bose and Indian National Army.
4. Communal politics; demand of Pakistan; Partition.
5. Act of Indian Independence.

Reference Books

1. Chaudhari K.N.- An Economic History from Rise of Islam to 1750
2. Chitnis K.N. - Socio-Economic aspects of Medieval India
3. Chopra P.N.- A Socio-Economic and cultural History of Medieval India
4. Habibullah- Foundation of Muslim rule in India
5. Hussaini S.A.O.- Administration under the Mughals.
6. Moreland W.H. - Agrarian System of Muslim India.
7. Sarkar Sir J.N.- Mughal Administration
8. Shrivastava A.L.- The Sultanate of Delhi.
9. Singh Meera- Medieval History of India.
10. Bipan Chandra- Communalism in Modern India
11. Desai A.R.- Peasant Struggles in India
12. Mujumdar R.C. History of Freedom Movement in India
13. Sarkar S.C. & Gupta K.K. - Modern Indian History
14. Ranade M.G.- Religious and Social Reforms
15. Shrinivas M.N.- Social Change in Modern India.
16. Heimsath C.M. -Indian Nationalism and Hindu Social Reforms
17. Ghosh A. - Indian Economy
18. Singh V.B.- The Economic History of India
19. जावडेकर आचार्य - आधुनिक भारत
20. डॉ.सुमन वैद्य, डॉ.कोठेकर शांता - आधुनिक भारताचा इतिहास
21. चिटणीस कृ.ना. - मध्ययुगीन भारतीय संकल्पना व संस्था
22. पगडी सेतू माधवराव - सुफी संप्रदाय
23. कोलारकर श.गो. - आधुनिक भारताचा इतिहास
24. ढवळे, बारगळ - अर्वाचिन भारत
25. गैरोला वाचस्पती - भारतीय संस्कृती और कला.
26. इरफान हबीब - मध्यकालीन भारत, भाग १ ते ५.

27. श्रीवास्तव आशिर्वादीलाल - मुगले भारत.
28. महाजन विद्याधर - मध्ययुगीन भारत
२९. भारताचा इतिहास - लेखक नि.सी.दिकीत, पिंपळापूर प्रकाशन, नागपुर.
30. भारताचा इतिहास - (१५२६-१९४७) डॉ.मनोरमा दांडगे
31. भारताचा इतिहास - (१५२६-१९४७) डॉ.धनंजय आचार्य

6. GEOGRAPHY

Climatology and Oceanography

Time : 3 Hours)

(Full Marks : 100

The examination in Geography will comprise of one theory paper and one practical. Theory paper shall be of three hours duration and shall carry 70 marks. Practical examination shall be of 3 hours duration and shall carry 30 marks.

The following syllabus is prescribed on the basis of four lectures per week and one practical of two periods for each batch of 20 students.

- Unit-I Weather and climate, definition and significance of climatology. elements of weathers and climate their causes. Composition and structure of the atmosphere.
Atmospheric temperature : Insolation and global energy budget, Vertical, horizontal and seasonal distribution of pressure; planetary, periodic and local winds.
- Unit-II Atmospheric moisture : humidity, evaporation; and condensation. hydrological cycle; types of precipitation, world pattern of rain fall; regional and seasonal distribution.
Atmospheric disturbances: Tropical and temperate cyclones; thunderstorms and tornadoes.
- Unit-III Basis of Koppen's classification and Climate types distribution, characteristics and related plant and animal. Role of climate in human life; Atmospheric pollution and global warming - general causes, consequences and measures of control.
- Unit-IV Relevance of oceanography in earth and atmospheric sciences: Definition of oceanography . Surface configuration of the ocean floor, continental shelf. Continental slope, abyssal plain, mid-oceanic and oceanic trenches. Relief of Atlantic, Pacific and Indian Oceans.
Distribution of temperature and salinity of Oceans and Seas.
- Unit-V: Circulation of oceanic water: waves, tides and currents; currents of the Atlantic, Pacific and Indian Oceans. Marine deposits and coral reefs, coastal environment. Oceans as storehouse of resources for the future

Pedagogy :

For effective teaching and meaningful learning, weather charts be shown to students and illustrations may be drawn from local/regional weather and climatic conditions throughout the course. Efforts should be made to drive home the relevance of climatology and oceanography, for the life and activities of human beings.

Practicals:-

- 1) Construction of Scale : Simple and diagonal
- 2) Study of map-projection.
Drawing of following projection by graphical method with their properties and uses
 - i) Zenithal projection: Polar case- Gnomonic.
 - ii) Zenithal Stereographic projection: Polar case
 - iii) Zenithal equi-distant projection: Polar Case
 - iv) Zenithal equal-area projection: Polar Case
 - v) Simple cylindrical projection
 - vi) Cylindrical equal -area projection.
- 3) Plain-table survey : Radiation and Inter- Section
- 4) Study of Indian Topographical maps of the following regions.
 - a) Mountain
 - b) Plateau and
 - c) Plain.
- 5) Statistical Methods : Standard Deviation Plans of Practical Examination.

1. Scale	5 Marks
2. Projection.....	5 —” —
3. Survey.....	5 —” —
4. To Pagraphical Map...	5 —” —
5. Statistical Methods	5 —” —
6. Viva-Voce on Practical records..	5 —” —

CERTIFICATE
Department of Geography

Name of the college

This is to certify that this practical record is the bonafide practical work of Shri/Ku.....
during the Academic Year..... Class.....

Dated

Signatur of teachers

- i)
- ii)
- iii)

Signature of H.O.D.

Note : In absence of certified practical - record - book examinee will not be allowed to appear for the practical examination.

Books recommended

1. Barry. R.G. & Chorley, R.J.: Atmosphers, Weather and climate. Routledge, 1998.
2. Critchfield, H: General climatology, Prentice - Hall, New York. 1975.
3. Das , P.K.: The Mansoons, National Book Trust, New Delhi - 1968
4. Lydolph, Paul.E: The climate of the earth, Rowman and Allahabad, Tatowa, N.J.1985,
5. Mather, J.R.: Climatogy, McGraw -Hill New York, 1974.
6. Patterson, S : Introduction of Meteorology, McGraw-Hill Book Co., London 1969.
7. Stringer, E.T.: Foundation of Climatology, Surject Publications, Delhi, 1982.
8. Trewartha, G.T. : An Introduction to climate, International Students edition, McGraw Hill, New York, 1980.
9. Anikouchine, W.A.and Sternberg, R.W.: The World Oceans- An Introduction to Oceanography, Englewood Cliffs, N.J.1973.
10. Grald,s : General Oceanography - An Introduction, John Wiley & Sons, New York, 1980.
11. Garrison, T: Oceanography. Wadsworth, com.U.S.A. - 1998.
12. King C.A.M.: Beaches and Coasts, E Arnold, London,1972
13. King, C.A. M.: Oceanography for Geographeres E.Arnold, London , 1975
14. Sharma, R.C. Vatel M : Oceanograply for Geographers, Chetnya Publishing House, Allahabad, 1970.
15. Shepard, F.P.Submaring Geology, Harper & sons, New York, 1948.
16. Thurman H.B.: Introductory Oceanogrephy, charles Webber E.Merril Publishing Co.1984.
17. Weisberg, J. and Howard : Introductory Oceanography, McGraw-Hill Book Co., New York, 1976.
18. T.P.Kanetkar and S.V.Kulkarni : Surveying & levelling - Pune Vidyarthi Griha Prashan-Pune-1999
19. T.P.Kanetkar and S.V.Kulkarni : Surveying & Levelling - Pune Vidharthi Griha Prakashan : Pune 1999.
20. चतुर्भज मेमोरिया : भूविज्ञान, साहित्यभवन पब्लिकेशन अॅन्ड डिस्ट्रीब्युटर्स, मेरठ
21. प्रा.दाते, सु.प्र.व. सौ.दाते, स.सु.प्राकृतिक भूविज्ञान : राविल प्रकाशन, सातारा.
22. प्रा.प्र.भा.नागतोडे : हवामानशास्त्र, (म.वि.ग्र.नि.मं.,नागपूर)
23. सिंग सविंदर : भूआकृति विज्ञान, तारा प्रकाशन, वाराणसी १९७६
24. प्रा.कुळकर्णी आणि प्रा.शुक्ल : सांख्यिकी तत्व आणि व्यवहार, विद्या प्रकाशन, नागपूर.

25. सक्सेना उमेश किशोर : मानचित्र चित्रण एवं प्रयोगात्मक भूगोल
26. प्रा.भागवत अ.वि.आणि प्रा.कार्लेकर श्री.ना. : भूविज्ञान जलावरण व वातावरण
27. प्रा.गुप्ते श्रीधर, प्रा तावडे मोहन व प्रा.मगर : प्राकृतिक भूगोल, भाग-१,भाग-२, गो.य.राणे प्रकाशन, पुणे.
28. एच.यु.स्वेरडूप एवं रुपचंद भंडारी : महासागर भाग-१, भाग-२, राजस्थान हिंदी ग्रंथ एकेडेमिक, जयपुर.
29. कांताप्रसाद कुलश्रेष्ठ : समुद्रविज्ञान, किताबघर, कानपुर.
30. डॉ.विठ्ठल घारपुर आणि पवार : सागर भूविज्ञान - पिंपळपुरे अँड पब्लिशर्स - नागपुर.
31. डॉ.डी.पी.उपाध्याय एवं डॉ.रामाश्रय सिंग : जलवायु विज्ञान व समुद्रविज्ञान : वसुंधरा प्रकाशन, नागपुर
32. डॉ.विठ्ठल घारपुरे : हवामानशास्त्र, पिंपळपुरे प्रकाशन, नागपुर.
33. प्रा.के.ए.खतिब : हवामान परिचय, मेहता पब्लिशिंग हाऊस पुणे.
34. जे.पी.शर्मा : प्रायोगिक भूगोल, रस्तोगी पब्लिकेशन, शिवाजी रोड, मेरठ - २००२.
35. अर्जुन कुंभार : प्रात्यक्षिक भूगोल, सुमेरु प्रकाशन, डॉ.बीवलीपूर्व - १९९४.
36. पुरुषोत्तम मेहता : सांख्यिकीची मूलतत्वे, म.तु.पडगीलवार प्रकाशन, नागपुर, १९९०
37. डॉ.वि.के.श्रीवास्तव एवं माहत्म प्रसाद : भूगोल की सांख्यिकिय विधियों - वसुंधरा प्रकाशन, गोरखपुर - १९९८
३८. सागर विज्ञान : ले. डॉ.विठ्ठल घारपुरे, पिंपळपुरे प्रकाशन, नागपुर.

7. ECONOMICS

Time : 3 Hours)

(Full Marks : 100

MONEY, BANKING PUBLIC FINANCE AND INTERNATIONAL ECONOMICS

Unit-I

Value of Money and Theories of trade Cycle.

Definition and Functions of Money, Quantity theory of money- Transactions and cash Balance approaches, Inflation- Meaning types, causes and effects of inflation on different sectors of economy, control of inflation, deflation- Meaning effects and control of deflation, reflation, disinflation, Index number - Construction, uses and limitations, Nature and characteristics of trade cycle, Hawtrey's monetary theory, Hayek's over-investment theory; Keynes's view on trade cycle Control of trade cycles.

Unit-II

Output and Employment.

Say's law of Market, Keynes' objection to the classical theory, Aggregate demand and aggregate supply functions,

The Principle of effective demand, Consumption function- Average and marginal propensity to consume, factors influencing consumption function, The investment multiplier, types of investment autonomous and induced, marginal efficiency of capital. The concept of accelerator.

Unit-III

Commercial and Central Banking.

Meaning and Functions of commercial banks, The process of credit creation and its limitations. Evolution of commercial banking in India after Independence A critical appraisal of the progress of commercial banking after nationalization Recent reforms in banking sector in India.

Functions of central bank, Quantitative and qualitative methods of credit control-bank rate policy, open market operations, variable reserve ratio and selective methods, Role and functions of the Reserve Bank of India, Objectives and limitations of monetary policy with special reference to India.

Unit-IV

Nature and Scope of Public Finance

Meaning and scope of public finance Distinction between private and public finance, public goods and private goods, The Principle of maximum social advantage, Market failure, Role of the government.

Meaning classification and principle of public expenditure. and causes of growth of public expenditure in India.

Sources of public revenue, Taxation-Meaning. canon and classification of taxes Division of tax burden-The benefit and ability-to-pay approaches, Impact and incidence of taxes, Taxable capacity, Effects of taxation, Characteristics of a good tax system.

Unit-V

Importance of Trade and Trade Theories, Balance of Trade and Balance of Payments.

Importance of the study of international economics, Inter-regional and international trade. Theories of absolute advantage comparative advantage and opportunity cost Heckscher-Ohlin theory of trade- its main features assumptions and limitations

Concepts and components of balance of trade and balance of payments Equilibrium and disequilibrium in balance of payments, Consequences of disequilibrium in balance of payments, Various measures to correct deficit in the balance of payments, merits and demerits of devaluation. Functions of IMI World Bank and GATT/WTO.

BOOKS RECOMMENDED.

- 1) Ackley G (1976) Macroeconomics : Theory and Policy, macmilan ishing Company New York
- 2) Day, A.C.I (1960) Outline of Monetary Economics. Oxford University Press, Oxford
- 3) Gupta S.B. (1994) Monetary Economics S. Chand and Co. Delhi.
- 4) Heijdra, B.J. and F.V. Ploeg (2001) Foundation of Modern Macroeconomics, Oxford University Press, Oxford.
- 5) Lewis, M.K. and P.D. Mizan (2000) Monetary Economics, Oxford University Press New Delhi.
- 6) Shapiro E. (1996) Macroeconomic Analysis Galgotia Publications, New Delhi.
- 7) Dillard, D. (1960) The Economics of John Maynard Keynes, Crossby Lockwood and Sons London.
- 8) Hanson. A.H.(1953) A Guide to Keynes, McGraw Hill, New York.
- 9) Higgins B (1963) Economic Development. Principles, Problems and Policies Central Book Depot, Allahbad.
- 10) Keynes, J.M. (1936) The General Theory of Employment Interest and Money Macmillan London.
- 11) Kindleberges, C.P.(1958) Economic Development McGraw-Hill Book Company New York.
- 12) Lucas R(1981) Studies in Business Cyclics Theory. MIT Press. Cambridge Massachusetts.
- 13) Mief. G.M. and R.E. Baldwin (1957) Economic Development Theory. History and Policy Wiley & Sons Inc. New York.
- 14) Powelson. J.P.C. (1960) National Income and Flow of Funds Analysis. McGraw Hill New York.
- 15) Ackley, G. (1978) Macroeconomics. Theory and Policy, Macmillan Publishing Co. New York.
- 16) Bhargava, R.N. (1971) The Theory and Working of Union Finance in India Chaitanya Publishing House, Allahbad.
- 17) Gupta. S.B. (1994) Monetary Economics S Chand & Company New York.
- 18) Houghton, E.W. (Ed.) (1988) Public Finance Penguin, Baltimore.
- 19) Jha, R. (1998) Modern Public Economics. Routledge. London.
- 20) Mithani D.M. (1981) Macroeconomic Analysis and Policy Oxford & IBH, New Delhi.
- 21) Mithani, D.M. (1998) Modern Public Finance Himalaya Publishing House , Mumbai .
- 22) Musgrava R.A. and P.B. Musgrave (1976) Public Finance in Theory and Practice, McGraw Hill, Kogakusha. Tokyo.
- 23) Shapiro, E. (1996) Macroeconomic Analsis, Galgotia Publications, New Delhi.
- 24) Day. A.C.L (1960) Central Banking Staples Press London.

- 25) De Kock, M.H. (1960) Central Banking Staples Press. London
- 26) Due, J.F. (1963) Government Finance. Irwin. Homewood.
- 27) Government of India, Economic Survey (Annual) New Delhi.
- 28) Halm, G.N. (1955) Monetary Theory, Asia Publishing House, New Delhi.
- 29) Harris C.L. (1961) Money and Banking Allyn and Bacon , London.
- 30) Herber B.P. (1976) Modern Public Finance Richard D. Irwin, Homewood.
- 31) Laliwala, J.I (1984) The Theory of Inflation, Vani Educational Book. New Delhi.
- 32) Mishra, S.S. (1981) Money, Inflation and Economic Growth Oxford & IBH Publishing Company, New Delhi.
- 33) Musgrave, R.A. (1959) The Theory of Public Finance McGraw Hill Kogakusha. Tokyo.
- 34) Reserve Bank of India (1983) The Reserve Bank of India Functions and Working Bombay.
- 35) Reserve Bank of India Report on Trend and Progress of Banking in India (various years) Mumbai.
- 36) Reserve Bank of India, Report on Currency and Finance (Annual) Mumbai.
- 37) Sayers, R.S. (1978) Modern Banking (7th Edition) Oxford University Press, Delhi.
- 38) Kenan. P.B. (1994) The International Economy Cambridge University Press, London.
- 39) Kindiberger, C.P. (1973) International Economics R.D. Irwin Homewood.
- 40) Krugman. P.R. and M. Obstgeld (1994) International Economics. Theory and Policy Glenview, Foresman
- 41) Salvatore D.L. (1997) International Economics Prentice-Hall, Upper saddle River. N.J.
- 42) Sodersten Bo (1991) International Economics Macmillan Press Ltd. London.
- 43) Aggarwal, M.R. (1979) Regional Economic Cooperation in South Asia S chand and co. New Delhi.
- 44) Bhagwati J (Ed) (1981) International Trade, Selected Readings Cambridge University Press, Mass.
- 45) Crockett, A (1982) International Money, Issue and Analysis, ELBS and Nelson London.
- 46) Greenway D (1983) International Trade Policy, Macmillan Publishers Ltd, London.
- 47) Heller, H.R. (1968) International Monetary Economics Prentice Hill, India.
- 48) Joshi V and I. M.D. Little (1998) India's Economic Reforms 1999-2001

Oxford University Press Delhi.

- 49) Nayyar D (1976) India's Exports and Export Policies in the 1960s Cambridge University Press Cambridge .
- 50) Panchmukhi. V.R. (1978) Trade Policies of India A Quantitative Analysis Concept Publishing Company, New Delhi.
- 51) Patel . S.J. (1995) Indian Economy Towards The 21th Century University Press Ltd. India.
- 52) Singh M (1964) India Export Trends and the Prospects for Self-sustained Growth Oxford University Press, Oxford.
- 53) K.K. Dewoti : Modern Economics Theory.
- 54) Meyers Elements of Modern Economics.
- 55) Stonier and Haug : The Text Books of Economics Theory. 24.
- ५६) मुंजे,गोरे, बाळ देशपांडे : अर्थशास्त्र परिचय मुद्रा व अधिकोषण, विद्या प्रकाशन, नागपूर
- ५७) रल्हन तथा गोळवलकर : मुद्रा विनिमय तथा अधिकोषण
- ५८) प्रा.शरद कोलते : बँकिंग तत्वे व भारतीय बँका, विद्या प्रकाशन, नागपूर
- ५९) भा.ह.मुंजे : केन्सची रोजगारीची मीमांसा. विद्या प्रकाशन, नागपूर
- ६०) आनंदस्वरूप गर्ग : मुद्रा अधिकोष विनिमय.
- ६१) एल.एन.रॉय : मुद्रा और अधिकोष, ज्ञानदा प्रकाशन
- ६२) सिंह और शुक्ल : मुद्रा अधिकोष, आंतरराष्ट्रीय व्यापार और राजस्व.
- ६३) बी.एच.मुंजे आणि डॉ.एस.ए.देशपांडे : मुद्राशास्त्र आणि मुद्रा व्यवहार, विद्या प्रकाशन.
- ६४) प्रा.नांदे, प्रा.महाजन : समग्रलक्ष्मी अर्थशास्त्र, मंगेश प्रकाशन, नागपूर
- ६५) प्रा.वि.उ.चांदूरकर : समष्टि अर्थशास्त्र (महाराष्ट्र विद्यापीठ ग्रंथ निर्मिती मंडळ)
- ६६) प्रा.ए.बी.साबळे : अर्थशास्त्राची मुलतत्वे, भाग-२, मंगेश प्रकाशन, नागपूर
- ६७) डॉ.रा.य.माहोरे : समष्टी अर्थशास्त्र, हिमालय पब्लिशिंग हाऊस, मुंबई.
- ६८) समुच्चायात्मक अर्थशास्त्र : लेखक के हनवंते, बजाज प्रकाशन. नागपूर.
- ६९) स्थूल अर्थशास्त्र : डॉ.ग.ना.झामटे, पिंपळापुरे प्रकाशन, नागपूर.

8. PHILOSOPHY

Time : 3 Hours)

(Full Marks : 100

There will be one paper carrying 100 marks of three hours duration . Students will have to opt for any onepaper from the following (A) or (B). The following syllabus is prescribed on the basis of five lectures per week.

(A) History of Western Philosophy

- Unit-I Introduction early Greek Philosophy.
- Unit-II 1) Plato a) Theory of Ideas
b) Soul
2) Aristotle
a) Refutation of Plato's theory of Ideas.
b) Theory of Causation
c) Soul
3) Saint Thomas Aquinas:
a) Proofs for the existence of God.
- Unit-III 1) Descartes
a) Method of Doubt
b) Mind and Matter
c) God: Nature and proofs for his existence.
2) Spinoza : Substance, Concept of God
3) Leibnity: (a) Monadology (b) Doctrine of pre established harmony.
- Unit-IV 1) Locke :
a) Concept of Matter
b) Concept of Abstract- General Idea.
2) Berkeley:
a) Refutation of Locke's Idea of matter
b) Esse est percipi.
3) Hume:
a) Refutation of Berkeley
b) Causality
c) Scepticism.
- Unit-V 1) Kant:
a) Classification of Judgements : analytic, synthetic.
b) A priori synthetic Propositions
c) Phenomena and Noumena
d) God : Concept of God.

Recommended Books:

1. F. Copleston : A history of Philosophy
2. W.T.Stace : A Critical History of Greek Philosophy.
3. Frank Thilly : History of Western Philosophy
4. C.J. O'Connor : A Critical History of Western Philosophy.
5. ग.ना.जोशी : पाश्चात्य तत्त्वज्ञानाचा इतिहास, खंड १,२,३
6. डॉ.प्रकाश दुबे : ग्रीक दर्शन
7. राहुल सांकृत्यायन : दर्शन दिग्दर्शन

OR

(B) History of Indian Philosophy

- Unit-I
1. Nature of Indian Philosophy, plurality as well as common concerns.
 2. Vedic a) Theory of Karma b) Concept of Varna and Ashram c) Yajna (Sacrifice)
 3. Upanishadic Concept of Brahma b) Concept of Jivatma c) Concept of liberation
- Unit-II
1. Carvaka
 - a) Materialism
 - b) Theory of Knowledge
 - c) Naturalism
 - d) Refutation of self and God
 - e) Hedonism
 2. Jainism:-
 - a) Classification of knowledge
 - b) Syadvada
 - c) Nayavada
 - d) Jiva and Ajiva
 - e) Bondage and liberation
- Unit-III Buddhism :
- a) Four noble truths
 - b) Theory of Causation
 - c) Momentariness
 - d) Theory of No. self
 - e) Nihilism of Madhyamika
 - f) Vidnyanvada of Yogachar

- g) Bahyanumeyavada of Sautrantika
- h) Bahyapratyakshavada of Vaibhashika

Unit-IV Nyaya:

- 1) Theory of Pramanas
- 2) Vaishesika
 - a) Sapta Padartha
 - b) Atomism

Unit-V

- 1) Samkhya
 - a) Satkaryavada
 - b) Nature of Prakriti and Purusa
 - c) Theory of Evolution
- 2) Sankara Vedant
 - a) Concept of Brahman and Atman
 - b) Theory of Causation (Vivartvada)
 - c) Concept of Maya
 - d) Nature of Moksa

Books recommended:

- 1) Datta and Chatterjee : Introduction of Indian Philosophy
- 2) M.Hiriyanna : Outline of Indian Philosophy
- 3) Shrinivas Dixit : Bhartiya Tatavdnyan
- 4) P.D. Choudhari : Bhartiya Tatavdyanacha Etihasa
- 5) Ramnath Sharma: Bhartiya Darshan Ke Multatva
- 6) Dr.Santosh Thakare : Dehatmavada of Carvaka
- 7) Dr.Santosh Thakare: Bhartiya Darshan.

9. MUSIC**(A) EITHER INDIAN MUSIC OR EUROPEAN MUSIC****INDIAN MUSIC**

Time : 3 Hours)

(Full Marks : 100

Theory : 50

Practical :45

Practical Record Book: 05

One Practical period of 45 minutes in Music shall be counted as equal to one lecture period of 45 minutes.

- Notes :
1. Attention of the candidates, their guardians and teachers is drawn to the fact that harmonium as an accompaniment for vocal music will be allowed.
 2. Table Teachers are permitted to play on table along with candidate. If their conduct in the examination hall is not upto the satisfaction of the examiner, the examiner may disallow such person as an accompanist.
 3. Each candidate must able to sing जन गण मन as approved by the Government of India and वंदेमातरम्.
 4. Any one of the following instruments can be offered for examination by those who desire to take examination in Instrumental music.
 - (a) Violin, (b) Dilruba, (c) Israj, (d) Sarangee, (e) Bin, (f) Got-bin, (g) Sitar, (h) Sarod, (i) Sanai, (j) Flute or (k) Tabla.

(A) Candidate offering Sitar or Sarod should study the practice मसीदखानी in place of विलंबीत ख्याल and रजाखानी in place of द्रुतख्याल Candidates are expected to know the history of that instrument, the method of tuning it, its various parts and various technical terms in connection with the way of playing it.

(B) Syllabus for Tabla is given at the end separately.
 5. Candidate should submit to the examiner the practical record book duly completed and counter signed by Head of the Department or Internal Examiner as the case may be of the college in which instructions are imparted in the subject.
 6. Bhatkhande - system of notation will be followed.
 7. Accompaniment of Tabla is must for practical batches.

THEORY

As regarding the demarkation of the theory paper course of Music for B.A. Part-II, is divided in 6 units. In which two questions on Compulsory topics (1) Notation (2) Tal or carrying 9 marks each and the rest four questions carry 8 marks each.

Practical Test

(50 Marks)

(A) Following Ragas are to be studied.

(i) Bhairav (2) Kalingada (3) Marva (4) Puriya (5) Bhimpalasi (6) Patdeep (7) Kamod (8) Kedar (9) Bihag (10) Bindranisarang (11) Yaman.

- (a) Vilambit Khayal or Masitkhani Gat with detailed study in Any two above mentioned Raga.
- (b) Drut khayal or Rajakhani gat in each Raga out of which five should be studied with Alap & Tan Any two Drut khayal in Ektal & Zaptal.

- (c) Sargam geet in each Ragas and Lakshan geet in two Ragas from the above mentioned.
 - (d) One dhrupad, one Dhamar & one Tarana with layakari in different Ragas from the above mentioned Raga.
 - (e) Chaturang or Trivat in any one above mentioned Raga.
 - (f) One Ghajan (light Music style)
- (B) Detailed knowledge of the following Talas with their Dugun, Tigun, Chaugun, (1) Tivra (2) Sultaj (3) Dhamar (4) Zumra (5) Ada chautal (6) Deepchandi

Note : Talas from B.A. Ist syllabus should also be studied with laykari.

Distribution of Marks

Sl. No.	Topic	Marks	Remarks
(1)	Practical Record Book	05	Marks
(2)	Vilambit khyal with Gayaki	08	--"--
(3)	Drut khyal with Gayaki	05	--"--
(4)	Sargam Geet.	03	-
(5)	Lakshan Geet	03	-
(6)	Dhrupad	03	--"--
(7)	Dhamar	03	--"--
(8)	Tarana	03	-
(9)	Trivat or chatrang	03	-
(10)	Tal with layakari	05	--"--
(11)	Recognition of swar & Tal	03	--"--
(12)	Tan-Pura playing	03	--"--
(13)	Light Music sytle (Bhajan)	03	--"--

Indian Music (Vocal and Instrumental)

Time : 3 Hours

(Full 50 Marks)

Theory

- Unit-I (i) Study of theoretical details of Ragas prescribed for practical course of Second year and their Comparative study. (ii) Classification of indian Musical Instruments Marks 8
- Unit-II Writing of notations of songs (Bandish) Gats prescribed in the Practical course of 2nd year Marks 9
- Unit-III Writing of Talas in notation with dugun, Tigun and Chougun Marks 9

- Unit-IV (i) Study of the following technical terms Kutap,Vrunda Gayan,Vrunda Vadan, Vaggeykar, Geet, Gandharva Gan, Gayak,Nayak,Merits and demerits of Vaggeykar and Gayak,Vadak,Shikshak, Anukar as prescribed in Sangeet Ratnakar, Anukar as prescribed in Sangeet Ratnakar, Margi Sangeet, Deshi Sangeet, Parmel Praveshak Rag, Adhavadarshak.
- (ii)Elementary study of Medium Sound Musical Sound noise, Vibratory Motion frequency, pitch, megnitude and timber, or quality duration, Interval, Scale, Octave, Major tone, Minor-tone, Semi tone and value of each the three tones.

Marks 8

- Unit-V (i)General knowledge of various folk songs as Kajari, Baul,Chaiti, Bhatiyali Mand, Garabe, Lawani, Bharud, Powads, Hori, (ii) General knowledge of Rabindra Sangeet, Karvataks (iii) Comparative Study of Pt.Bhatkhande and Pt. V.N.Paluskar notation system.

Marks 8

- Unit-VI (i) **Biographics and contribution of following musicians.**

- 1) Sadarang Adarang
- 2) Pandit V.N.Bhatkhande
- 3) Pandit V.D.Paluskar
- 4) Allauddin Khan
- 5) Ustad Abdul Karim Khan

- (ii) **Essay on any of the following topics :-**

- 1) Role of Music in national Integration
- 2) Place of Music in Fine Arts
- 3) Importance of Music festivals/Seminars/conferences
- 4) Evalation of Notation system.
- 5) Importance of Music in general education.

BOOKS RECOMMENDED :

१. पंडित वि.ना.भातखंडे : हिन्दुस्थानी संगीत, क्रमिक पुस्तक मालिका भाग २ ते ४
२. व्ही.एन्.पटवर्धन : राग, विज्ञान, भाग १ ते ५
३. पंडित वि.ना.भातखंडे : (विष्णु शर्मा) हिन्दुस्थानी संगीत पध्दती, भाग २ ते ४
४. शांती श्रीखंडे : संगीत शास्त्र, भाग १ व २
५. महेश नारायण सक्सेना : संगीत शास्त्र, भाग १ व २
६. Prof.G.H.Ranad : Hindusthani - Music an outline of its Physics and Aesthetics.
७. डॉ.श्री.व्यं.केतकर : ज्ञानकोष भाग २०

8. S.K.Chaubey : Indian Music Today.
९. श्री.पंडित भातखंडे (चतुर पंडित) : लक्ष्मी संगीतम् (संस्कृत)
10. Shri Pandit Bhatkhande : A Short Historical survey of Northern Indian Music.
11. Shri Pandit Bhatkhande : A Comparative Study of Indian Music of 16th, 17th, 18th Century.
12. Sangit Karyalaya. Hathras : Sangit Visharad.
13. Vasant Rao Rajopadhey : Sangit Shastra.
14. Bandopadhyaya : Sitar Marga Parts I, II & III.
15. Prof.B.R.Deodhar : Rag Bodh Parts I, II & III.
१६. कृष्णराव फुलंब्रीकर : राग संग्रह, भाग १ ते ३
१७. कै.चैतन्य देसाई : संगीत विषयक संस्कृत ग्रंथ (म.वि.ग्रं.नि.मं.)
१८. भावरंग भाग-१ ते ५ ले. बळवंतराव भट्ट

REFERENCE BOOKS :

१९. वा.वि.पंडित : वायलिन (म.वि.ग्रं.नि.मं.)
२०. अ.वि.बेडेकर : हार्मोनियम (म.वि.ग्रं.नि.मं.)
२१. डॉ.रुपा कुळकर्णी : गान सोपान
२२. अभिनव गीतांजली भाग १ ते ६ 'रामरंग-रामाश्रय झा लिखित'.
२३. लक्षण गीते - गोविंदराव टेंभे
२४. अनुपराग विलास - भाग १ व २ - पं.कुमार गंधर्व
२५. रसराज - पं.पी.एन. बर्वे
२६. उपज आणि बंदिश - उस्ताद म.हुसेन खॉ साहेब
२७. स्वरागीनी - डॉ.प्रभा अत्रे.

Note :- Candidate must obtain minimum pass marks in the Theory Paper and the Practical Examination separately.

SYLLABUS FOR TABLA

TABLA(THEORY)

- Unit-I** History of Tabla : From ancient times to 1300 A.D. Transformation in the time of Amirkhushro, Growth onwards till the present age. Comparative and critical study of Tabla with other Tal (Rhythm) instruments of the ancient age such as मृदंगम, पखवाज.

- Unit-II** History of the four Gharanas of Tabla : Delhi, Azarada, Poorab and Punjab. Life sketches of the Khalifas of these Gharanas Ustad Sidharkhan Usthad Mudulkhan, Usthad Fakirbax Kanthe Maharaj.
- Unit-III** Merits and demerits of a Tabla player Detailed Study of Tabla accompaniment with different styles of vocal and Instrumental music (धृपद, धमार, ख्याल, ठुमरी, भजन, गीत टप्पा)
- Unit-IV** Writing the Thekas and different bols Difficult Tukadas, Mukhadas, etc. in the prescribed Talas, in notation according to Pandit Paluskar and Pandit Bhatkhande system of notation.
- Unit-V** Definitions : Amad, Graha Nauhakka. Tihais (Bedam and Damdar) Lom and Vilam, Tukada, Mukhada Mohara & Chakkardar.
- Unit-VI** Essays : on subjects relating to tal Laya & Tabla.

TABLA PRACTICAL

In addition to the course prescribed upto First B.A.

1. Thekas of the following Talas : zumra, Adachoutal, Dhamar, Dhruwad, Addha, Deepchandi, Jat, Sool Tal, Tewara.
2. Vistar of the following Talas : Solo playing along with Lahara with a good stock of materials in Trital, Ektal, Zaptal and Roopak, Peshkar, Kayada, Rela. Tukadas (fine) Parans and Good Tihais of some significance.
3. Accompaniment to Vilambit Khyal with Mukhadas and Tihais etc.
4. Accompaniment to all varieties of vocal music viz.
5. Complete knowledge of tuning Tabla and ability to tune the same.
6. Knowledge to Tigun Laya with some bols of Trital Zaptal etc.
7. Simple Relas and Parans in Choutal and Dhamar (At least two in each)
8. Reciting of bols with clapping of hands playing the same on Tabla in all the above tals.

BOOKS RECOMMENDED :

१. तबलाशास्त्र : गौतुपांडे
२. तालदीपिका : गोडबोले
३. तालअंक : संगीत कार्यालय, हाथरस
४. कायदा और पेशकर : सत्यनारायण वशिष्ठ
५. तबले पर दिल्ली और पूरब : सत्यनारायण वशिष्ठ
६. ताल मार्तंड : सत्यनारायण वशिष्ठ

७. तबला वादन, भाग १ व २ : श्री व.गो.पेंढारकर
८. तबला : अरविंद मूळगांवकर (म.रा.ग्रं.नि.मं.)

(B) EUROPEAN MUSIC - PLANOFORTE

Time : 1 Hour (Full Marks : 50)

PRACTICAL TEST

I. Practical

One piece chosen by the candidate from the lists given below

Berkeley : No. 5 from "six preludes"

Brahms : Imermezzo in B. Flat option 76 No. 4

A. minor op.

116, No. 2

E minor op.

116 No. 6

Chopin : Mezurka No. 41 in C sharp minor Debussy : La plus que lente. Reverie

Ireland : The Towing Path

The Island Spell

The Undertone (From Preludes)

Schumann : Romance in F sharp op. 28

II. Scales and Arpeggios :

Scales : The Major, Harmonic, Melodies Minor and Chromatic scales in thirds and sixths, one note to each hand in similar motion beginning from below to the extent of four Octaves.

Arpeggios : Diminished sevenths and their inversions in all keys. All arpeggios to be played four Octaves in similar motion starting at the lower part of keyboard. All scales and Arpeggios to be prepared 'legato' and 'Staccato' and 'forte' 'piano' 'Crescendo' and 'deminuendo'.

III. Sight Reading :

A little more difficult than prescribed for the 1st year Course.

IV. Ear Test :

- (a) To name the modulation of a harmonic passage as being from a Major Key to its relative minor, its Mediant Minor, its supertonic Minor.

OR

- (b) To name the modulation of a harmonic passage from a minor key to its relative major, flatened leading note major, or submediant major, after the passage has been played by the Examiner. The Tautonic chord will be sounded first.

V. Viva Voce :

From of pieces and simple general knowledge on Rudiments of Music.

THEORY

Time : 2 Hours)

(Full Marks : 50

1. Unfigured Bass :

- (a) Harmonisation of a simple Unfigured Bass in short score.
- (b) Fingered Bass : Adding two or three parts above a Figured Bass in open Score, with C. (lets for the inner parts)
- (c) Figuring the Bass of a passing avoiding everything unnecessary.
- (d) Writing Cadences using four part Vocal Harmony and Prefixing key signatures to the required cadences.

Any two questions to be answered.

10. HOME ECONOMICS

Food Science & Nutrition

(From 2006-07 Session)

Periods of instruction per week	Full Marks	- 100
Theory-4	Theory	- 70
Practical-2	Practical & Class Work	- 30

Time : 3 Hours for theory
3 Hours for practicals

Objectives: This course will enable the students to

1. Understand the basic concepts of nutraition
2. Gain knowledge on nutrients and nutritives value of foods.

3. Acquint with classification of food as per functionality.
4. Acquire abilities to plan diets for various diseases as well as healthy humans.
5. Make familiar with the agencies involved in Nutrition research.
6. Undershand methods of fod preparation, enrichment/ enhancement and preservation
7. Promote entrepreneurship skill.

Unit-I

1.1 Definitions of food, nutrients health, Malnutriton nutrition and nutritional status.

1.2 Functions of food

- i) Physiological
- ii) Psychological
- iii) Socio-cultural

1.3 Classification of nutrients

- i) Energy giving-Fats and carbohydrates
- ii) Body Building-Proteins
- iii) Protecting and regulating-Vetamins, Minerals and water Minerals and Water.

Classification, sources, functions, requirements, deficiency symptoms, symptoms due to excess consumption and dietary measures to overcome the deficiencies.

Unit-II The Major Five Food Group

2.1 Protein foods

- i) Dals, legumes, nuts and oilseeds, structure, nutritive value kinds processing (pulfing germination and fermentation) cooking selection purchase and storage.
- ii) Milk and Milk products
Kinds, nutritive value, processing, selection purchase and storage and effect of heat.
- iii) Eggs
Structure, nutritive value, cooking, selection purchase and storage.
- iv) Meat, fish and Poultry
Nutritive value, kinds, cooking, selection purchase and storage.

64	B.A.-II Examination, 2010
2.2	Energy giving foods.
	i) Cercals and Nillets Structure, nutritive value, cooking kinds, parboiling selection, purchase and storage.
	ii) Tubers, Kinds, nutritive value, cooking, selection, purchase and storage
2.3	Rich energy giving foods.
	i) Fats and oils Types, sources, nutritive value cooking selection, purchase and storage.
2.4	Vitamin and Mineral supplying foods.
	i) Green leafy vegetables. Types, nutritive value, cooking, selection purchase and storage.
	ii) Yellow and orange vegetables and fruits Nutritive value, cooking, selection purchase and storage.
	iii) Vit "C" rich (citus) vegetables and fruits Nitritive value, selection, purchase and storage.
2.5	Roughage (Fibre) supplying foods.
	i) Other vegetables and fruits Types, Nutritive value, selection, purchase and storage.
Unit-III	
3.1	Defination and meaning of balanced diets : Factors affecting balanced diets.
3.2	Principles of meal planning, use of food guide in meal planning.
3.3	Formulation of balanced diets throughout life cycle using food guide.
3.4	National and International agencies involved in nutrition (NIN, CFIRIICNR, WHO and UNICEF)
Unit-IV	
4.1	Concepts of diet therapy, objectives and principles of diet therapy
4.2	Classification (types) of therapeutic diets and role of nutritionist.
4.3	Causes, symptoms, and dietary treatment for the diseases related to digestive system (constipation, dianhoea and acidity)
4.4	Causes, symptoms and dietary treatment for the diseases

	Sant Gadge Baba Amravati University Prospectus	65
	related to pancreas and leaver (Jnndice and diabetes)	
4.5	Causes simptance and dietary treatment for the dieses related to heart (hypertension, other osderosis)	
Unit-V		
5.1	Advantages and disadvantages of food preparation (cooking)	
5.2	Methods of food preparation	
5.3	Definition, characteristics of an entre,preneur, Entrepreneurship development Govt of Indias policy with specification towards promotion of women entrepreneurship. Role of bank and other agencies.	
5.4	Meaning, principles and methods of food preservation.	
5.5	Meaning and definition of food adnteration Effects of food adulterants on human life	

Practicals

- Weights and Measures
- Demonstration on preparation of masala (tea, paobhaji, chhole, panipuri mutton, goda)
- Demonstration on food preservation (Jam, Jelly, syrup, squash, sauce, pickles two types of novelty papad)
- Regional food preparations : Chhole Bhature, uttapam, Gulabjamun, Dahiwada and nankhatai
- Nutrient rich dishes (two preparations for each nutrient) calories Proteins, Iron, Thiamine, Vitamin A and calcium.
- Preparation of 3 vegetable curies, using Red gravy, green gravy and varhadi gravy.
- Computing cost and nutritive value (Any four major nutrients present in that particular preparation)

Class Work

- Celebration of Breast feeding weeks/Natrition Week/World food Day.
- Organising guest lecture/demonstration related to nutrition.
- Evaluation of self diet for a week.
- Preparation of charts/Pamphlets/Leaflets
- Organising visit to badery/hospitals/small scale industry/ongoing feedingprogramme/slum schools.
- Development of entrepreneurial skills (in a group of maximum 10 students)

Step-I Preparation of standard product in relation to portion

	size, flavour, texture and appearance.
Step-II	Computation of total cost (material,labour and overhead)
Step-III	Determination of profit (gross and net)
Step-IV	Marketing the product at melas/Yatra/Gathering/Durgotsav/Exhibitions/Anondhagar
Step-V	Writing report

Distribution of Marks	Marks
1. Record book	03
2. Food preparation and presentation (Two recipes)	12
3. Cost and nutritive value/serving	03
4. Viva-voce	03
5. Class Work	09
Total Marks	30

Instructions to private candidates should apply to the Principals concerned in July for the March, April session and pay the fees meant for practicals. They should be instructed to complete the practicals as per time table of the college. Their record book should be duly signed by Head of the Department of Home Economics.

REFERENCES

- Mudambi, S.R. and Rajgopal, M.V. Fundamental of food and Nutrition, Wiley Eastern Limited Ansari Road, New Delhi 1987
- Swaminathan, M. Essential of food and Nutrition Vol I & II The Bangalore Printing and publishing Company, Mysore Road, Bangalore 1985
- The Education Planning Groups "Food and Nutrition" A text book of Home Science for senior students, Arya Publishing House, New Delhi. 1983
- ICMR Nutritive Value of Indian Foods.
- ICMR Recommended Dietary Allowances
- Joshi S.A. Nutrition and Dietetics, Tata McGraw Hill Publishing Company Ltd, New Delhi.
- Published by Shri V.L. Deushar, Vrindavan Colony, Amravati.
- Accounting and Cost control in hotel and catering Industry. Decker's Mumbai.
- Sethi, M and Malhan, S, Catering Management An Integrated Approach, New Age International Pvt. Limited New Delhi.

- Cookery-Standard XII
- Gopalan, C. ICMR, Nutritive Value of Indian Foods NIN Hyderabad.
- Begum, Raheena. A Textbook of Foods, Nutrition and Dietetics. 10, Green Part Extension, New Delhi-16.
- Dietary Guidelines for Indians-A manual of NIN, ICMR, Hyderabad.
- Bamji Mehtab Reddy Vinodini and Rao Pralhad (1996) Diet, Nutrition and Health, Print Well, Jaipur.
- Shreelakshmi, B. 1998 Dietetics Wiley Eastern Limited, Pune.
- M. Gangadhar Rao, Entrepreneurship and Entrepreneurial Development.
- Desai, Vasant, Entrepreneurship Development, Himalay Publishing house 1991, Vol-I, II and III
- महाजनी, स्नेहा, आहारशास्त्राची मुलतत्वे : मंगेश प्रकाशन, नागपुर.
- लेले, आणि देऊस्कर, आहार मिमांसा : म.वि.ग्रं.नि. मंडळ, नागपुर.
- लेले, आणि देऊस्कर -आहारशास्त्र विविध दृष्टीकोनातून : म.वि.ग्रं.नि. मंडळ, नागपुर.
- टिळक, निर्मला- 'पार्टी पार्टी' शाकाहारी : पापूलर प्रकाशन, मुंबई.
- परुळेकर आशा आणि कांबळे वसुंधरा 'रुचिपूर्णा', शारदा साहित्य, बुधवार पेठ, पुणे.
- लेले सरल - पोषण व आहारशास्त्र परिचय
- देऊस्कर आशा आणि जोशी संध्या 'अन्न व पोषण प्रात्यक्षिक कार्यपुस्तिका प्रकाशक, श्री व्ही.एल.देऊस्कर, वृंदावन कॉलनी, अमरावती.

General Reading

- Encyclopedia of Social Sciences

11. SOCIOLOGY

INDIAN SOCIAL STRUCTURE AND SOCIAL PROBLEMS

Time - 3 Hrs.

Max. Marks-100

- Unit-I The Structure and Composition of Indian society.
- Meaning and characteristics of Tribal, Rural and Urban Society.
 - Its changing nature and Rural-Urban Continuum.
 - Weaker section-Tribals, Dalits, women, Religious Minorities. Problems and their solutions

- D) Population Profile : Population Explosion
- Unit-II Basic Institutions of Indian society :
- A) Family-structure. functions and changes of joint Family and Nuclear Family.
- B) Marriage: Meaning significance and its changing nature.
- C) Caste and Class:- Meaning characteristics functional and Dysfunctional aspects and its changing nature
- Unit-III Genesis of Social Problems :
- A) Meaning Approaches : Disorganizational. Anomie and Valuational.
- B) Structural Problems: Poverty, Gender, In-equality- Changing Status of Women.
- Unit-IV Familial Problems.
- A) Dowry Domestic Violence against women.
- B) Divorce-Causes and social implications Related legal Provision.
- C) Problems of Elderly-Social, PSychological and Economics.
- Unit-V Contemporary Issues.
- A) Ecological degradation and Enviornmental Pollution-Air, Land, Space, Water.
- B) Disorganizational crime & deliequency while coller crime suicide Corruption, Drug Addition and Terrorism.
- C) Problems of National Integration in India with special reference to diversities : Nation building and national identity.

Recommended-Books

1. Bose N.K.1967, Culture and Society in India, Bombay. Asia Publishing House.
2. Bose N.K.1975 Structure of Hindu Society New Delhi.
3. Dube S.C.1990 Society in India (New Delhi, National Book Trust)
4. Dube S.C.1995, Indian village (London, Routledge)
5. Dube,S.C.1952 India's changing village (London, Routledge and Kegan paul)
6. Shrinivas M.N.1963, Social Change in Modern India California Berkeley, University of Califemia Press)
7. Singh, Yogendra 1973, Modernization of Indian Tradition, (Delhi Thomson Press)
8. Beteille , Andre, 1974 Social Enequality, New Delhi OUP.

9. Beteille, Andre, 1992 Backward Classes in contemporary India New Delhi - Oup.
10. Dube S.C. 1997: Women, and Kniship
11. Lewis Osear 1986: Culture of Poverty, Scientific American Vol.II & V No.4pp10
12. Sharma Ursulla, 1983: Women, Work and poverty in North West India”, London Tavistock.
13. Guha Romchandra , 1994: Sociology and the Dilema of 'Development'. New Delhi Oup.
14. Girish Dittmer : Social Problems Times of India press.
15. Elliot and Merrill: Social Disorganization.
16. Madam G.R.: Indian Social Problems
17. Desai A.R.: Rural Sociology in India.
18. Memoria C.B.: Social Problems and Dissrganization in India.
१९. मदन : भारतीय सामाजिक समस्याएँ
२०. प्रा.भा.कि.खडसे : भारतीय सामाजिक समस्या, मंगेश प्रकाशन
२१. प्रा.रा.ज.लोटे : भारतीय समाज आणि सामाजिक समस्या, पिंपळापूरे अँड क. पब्लिशर्स. नागपूर.
२२. प्रा.रा.ज.लोटे : सामाजिकसमस्या, (पिंपळापूरे अँड कं. प.नागपूर)
२३. डॉ.प्रदीप आगलावे : आधुनिक भारतातील सामाजिक समस्या, विद्या प्रकाशन, नागपूर.
२४. प्रा.शेख शब्बीर : पालकर : सामाजिक समस्या, संगम प्रकाशन, नागपूर.
२५. डॉ.सुधा काळदाते : भारतीय सामाजिक समस्या.
२६. राम आहुजा : भारतीय सामाजिक समस्याएँ, रावत पब्लीकेशन, नई दिल्ली, जयपूर.
२७. भारतीय सामाजिक संरचना आणि सामाजिक समस्या, लेखक - प्रा.राजलोटे
२८. भारतीय समाज : प्रश्न आणि समस्या, लेखक डॉ.डी.एस.मनवरे
२९. भारतीय समाज संरचना आणि समस्या, लेखक - डॉ.प्रदीप आगलावे.
३०. आधुनिक भारतातील सामाजीक समस्या : डॉ.दिलीप खैरनार, चिन्मय प्रकाशन , औरंगाबाद

12. PSYCHOLOGY**[Time : 3 Hours]****[Full Marks : 100]**

- Notes:-
1. Five theory periods and three practical periods in a week, per batch of 16 students.
 2. No students will be allowed for practical Examination if he/she fails to produce duty certified record book at the time of Examination.

This papers carrying a total of 100 marks will consist of two parts.

- A) Social Psychology (Theory) (70 Marks)
- B) Practical- Experiments (30 Marks)

Social Psychology**Section A**

- Unit-I
- A) Introduction:- Nature, Definition, history, scopr of social psychology
Methods of social psychology
Observation, Field study, Interview, survey, uses of psycchological tests sociometric method, experimental method.
 - B) Person perception and social perception
Person perception.
Concept, Non- verbal communication, sources of person perception or impression formation Variables in person perception, attribution theory ; basic principles of attribution, impression management, self perception.
Social Perception:- Nature, Definition
Type of social perception,
Properties of social perception.
- Unit-II
- A) Pro-social Behaviour:-
Meaning, definition, Personal, situational and socio-cultural determinants of pro-social behaviour Bystander effect, theoretical explanation of pro-social behaviour.
 - B) Groups and leadership:-
Groups:-
Group structure, Functions of group, Group formation, Types of group, Group and task performance, group cohesiveness, Group morals, sociometry.

Leadership:-

Definitions and functions, Characteristics of leaders, Types of leader, Leadership traits, Situational, inter- actional and contingency approaches of leadership.

Unit-III A) Attitudes:-

Nature, definitions, components and dimensions of attitudes, Attitude formation, Attitude and behaviour.

Persuasion:-

The process of changing attitudes, The traditional approach, The cognitive approach, other factors affecting persuasion, Resistance of persuasion, Cognitive dissonance.

Measurement of attitude:-

Attitude scales - Thurstone Likert, Bogardus, Guttman scale, semantic differential scale.

B) Prejudice and Discrimination

Concept, definitions, origins of prejudice and discrimination.

Plans and techniques of reducing prejudice and discrimination-

Nature and sources of stereotypes.

Unit-IV A) Aggression-

Nature, Types of aggression- insstinct, Biological, Social learning and cognitive theory of aggression, Social and personal determinants of aggression, Child abuse and Work- place violence, Prevention and control of aggression.

B) Social change and problems:-

Nature, causes of social change, problems of social change in Indian context, population and factors in birth control.

Social Problems:-

Health and illness, Prevention, Poverty, Unemployment.

Environmental issues-

Noise, Pollution, Atmospheric conditions.

Section B**Statistics**

- Unit-V A) Measures of Variability-
Concept of variability-
Range, Mean Deviation, Quartile Deviation,
Standard Deviation.
- B) Normal Distribution-
Concept of probability, laws of probability,
characteristics of Normal probability curve,
Deviation from N.P.C.- skewness and kurtosis.
Application of Normal probability curve.

TEXT BOOKS-

- 1) Baron R.A.-Social Psychology, 5th edition Prentice Hall India Pvt.Ltd. New Delhi.
- 2) Byrne and Baron (2001)- Social Psychology- 8th edition Prentice Hall India Pvt.Ltd.New Delhi
- 3) Lindgren H.C.- An Introduction to social psychology. Wiley eastern Pvt. Ltd.
- 4) Myers D.G. (1993) Social Psychology- 9th edition N.Y.Mc.Graw' Hill company, New Delhi.
- 5) Guilford- Fundamental statistics in Psychology & education, International strdents Ltd.Mc.Graw Hill 1956.
- 6) डॉ.हुस्नैन एन (१९९१) : नवीन सामाजिक मनोविज्ञान, विनोद पुस्तक मंदिर, आग्रा.
- ७) डॉ.एस.एस.माथुर - समाज मनोविज्ञान, विनोद पुस्तक मंदिर, आग्रा.
- ८) डॉ.नरके व डॉ. बनसोड (१९९३) सामाजिक मानसशास्त्र, प्रेरणा एजन्सी, औरंगाबाद.
- ९) अल्पना वैद्य, शीला गोलविलकर - सामाजिक मानसशास्त्र
- १०) दाभोळे, हिरवे - सामाजिक मानसशास्त्र
- ११) प्रा.गोगटे, गवतवार, देशपांडे - सामाजिक मानसशास्त्र
- १२) प्रा.पलसाने, प्रा.विद्या तळवलकर - सामाजिक मानसशास्त्र
- १३) Garrett : Statistics in psychology and Education Indian Ed.

PRACTICALS (ANY TEN)

Minimum two from each section i.e. from A,B,C,D,

- A) i) Sociometry
ii) Muller- Lyer- Illusion

- iii) Multiple choice problem solving.
iv) Size Constancy.
- B) i) Leadership Ability Scale
ii) Attitude Scale.
iii) Secularism Scale
iv) Rational Learning
v) Bilateral Transfer of Training.
- C) i) Caste-Prejudice Scale.
ii) Socio- Economics Scale.
iii) Measurement of Aggression.
iv) Reaction Time.
- D) i) Normal Probability Curve
ii) T.A.T.B.
iii) Social Transmission.
iv) serial Learning.
v) Span of Apprehension.

Note:

I) Separate passing in theory and practical examination is necessary.

II) Distribution of marks of the practical examination.

1) Record Book	—	5 Marks
2) Conduct of experiments	—	8 Marks
3) Report of experiments	—	7 Marks
4) Viva- Voce	—	10 Marks

Total	-	30 Marks
-------	---	----------

13. STATISTICS

(Implemented from the session 2004-2005)

The examination in Statistics will comprise of two theory papers and a practical examination. Each theory paper will be of three hours duration and carry 60 marks. The practical examination will be of three hours duration and carry 30 marks. The distribution of marks for practical will be as follows:

Practical	5 marks
Viva voce	5 marks
Practical problems	20 marks
Total	: 30 marks

The following syllabus is prescribed on the basis of three lectures per week per paper and 6 practical periods per batch per week. Each theory paper has been divided into 5 units. There shall be one question on every unit with internal choice for each. Out of five questions three shall be of the short answer type and two shall be of long answer type. Each short answer type question should contain three to four questions each carrying not more than four marks. Long answer type questions should consist of questions each carrying more than four marks.

The college imparting instructions in Statistics should provide a 12 digit desk model electronic calculator to every student for the practical work. The calculator should not have any trigonometric, exponential, logarithmic or statistical function.

Paper-III Statistical Methods

- UNIT-I** : **Sampling from a Distribution** : Definition of a random sample, drawing random samples from standard distributions (Binomial, Poisson, Normal, Exponential). Concept of a statistic and its sampling distribution. Independence of sample mean and variance in random sampling from a normal distribution (without derivation), sampling distributions - Chisquare, t,F.
- UNIT-II** : Sampling distributions of sum of Binomial, Poisson and mean of normal distribution.
Estimation : Point and interval estimate of a parameter, unbiasedness, consistency, efficiency and sufficiency. Concept of bias and standard error of an estimate, standard errors of sample mean and sample proportion.
Testing of Hypothesis : Concept of hypothesis, null and alternative hypothesis, types of errors; p-values, level of significance, power of a test.
- UNIT-III** : **Applications of Sampling distributions** : Testing for the mean and variance of univariate normal distribution, testing of equality of two means and testing of equality of two variances of two univariate normal distributions. Introduction to Bivariate normal distribution. Testing for the significance of sample correlation coefficient in sampling from a bivariate normal distribution and for the equality of means and equality of variances in sampling from a bivariate normal distribution.
- UNIT-IV** : **Large Sample Tests** : Statement of Central Limit Theorem.

Use of central limit theorem for testing and interval estimation of single mean and single proportion, difference of two means and two proportions. Fisher's z-transformation and its uses. Pearson's Chisquare test for goodness of fit and for homogeneity for standard distributions, contingency table and test of independence in contingency table.

- UNIT-V** : **Non-Parametric Tests** : Definition of order statistics, Non parametric tests, sign test for univariate and bivariate distributions, Wilcoxon-Mann-Whitney test, Run test, median test, Spearman's rank correlation test, Kolmogorov-Smirnov Test (one sample & two samples).

References :

- 1) Freund J.E. (2001) : Mathematical Statistics, Prentice Hall of India.
- 2) Goon A.M., Gupta M.K., Dasgupta B. (1991) : Fundamentals of Statistics, Vol. I, World Press, Calcutta.
- 3) Hodges J.L. and Lehman E.L. (1964) : Basic Concepts of Probability and Statistics, Holden Day.
- 4) Mood A.M., Graybill F.A. and Boes D.C. (1974) : Introduction to the Theory of Statistics, McGraw Hill.
- 5) Bhat B.R., Srivenkatramana T. and Rao Madhava K.S. (1997) : Statistics : A Beginner's Text, Vol.-II, New Age International (P) Ltd.
- 6) Rohatgi V.K. (1967) : An Introduction to Probability Theory and Mathematical Statistics, John Wiley & Sons.
- 7) Snedecor G.W. and Cochran W.G. (1967) : Statistical Methods, Iowa State University Press.
- 8) Gupta S.C. and Kapoor V.K. : Fundamentals of Mathematical Statistics, Sultan Chand.
- 9) J.D.Gibbons : Non-parametric Statistical Inference.
- 10) Sydney Siegel : Introductory text for Non-parametric Methods.

PAPER-IV APPLIED STATISTICS

- UNIT-I** : **Indian Applied Statistical System** : Present official statistical system in India, methods of collection of official statistics, their reliability and limitations, principal publications containing such statistics on the topics - population, agriculture, industry, trade, price, labour and employment, transport and communications, banking and finance.
- UNIT-II** : **Demographic Methods** : Sources of demographic data - Census, register, adhoc survey, hospital records, demographic profiles of Indian census.

Measurement of Mortality : Crude death rate, specific death rate, age-specific death rate, infant mortality rate, standardised death rates (direct and indirect method).

UNIT-III : **Complete Life Table :** It's main features, various elements of life table and their relations, construction of life table, probability of dying, used of life table, stationary and stable population.

Measurement of Fertility : Crude birth rate, general fertility rate, total fertility rate, specific fertility rate, age-specific fertility rate, measurement of population growth, crude rate of natural increase and vital index, GRR and NRR.

UNIT-IV : **Economic Statistics :** Index number - It's definition, applications of index numbers, price relatives and quantity relatives, volume relatives, link and chain relatives. Problems involved in computation of index numbers, use of averages, simple aggregate and weighted average methods, Laspeyre's, Drowbish-Bowley, Marshall - Edgeworth, Walsch's Passche's and Fisher's index numbers, Time and Factor reversal test, consumers price index (cost of living index number).

UNIT-V : **Time Series Analysis :** Concept of time series, economic time series, its different components and illustrations, additive and multiplicative models, determination of trend, analysis of seasonal fluctuations, construction of seasonal indices.

Demand Analysis : Static laws of demand and supply, price elasticity of demand, income elasticity and cross elasticity of demand. Pareto's Law of Income distributions.

References :

1. Croxton F.E. and Cowden D.J. (1969) : Applied General Statistics, Prentice Hall of India.
2. Goon A.M., Gupta M.K., Dasgupta B. (1986) : Fundamentals of Statistics, Vol.II, World Press Calcutta.
3. Guide to current Indian Official Statistics : Central Statistical Organisation, Govt. of India, New Delhi.
4. Saluja M.P. : Indian Official Statistical Systems, Statistical Publishing Society, Calcutta.
5. Shrivastava O.S. (1983) : A Textbook of Demography, Vikas Publishing.
6. Gupta S.C. and Kapoor V.K. : Fundamentals of Applied Statistics, Sultan Chand.
7. Gupta and Mukhopadhyay P.P. : Applied Statistics, Central Book Agency.

LIST OF PRACTICALS :

- 1) Drawing random samples from Binomial Poisson, Normal and Exponential Distributions.
- 2) Test of significance based on t-test.
- 3) Test of significance based on Chi-Square test.
- 4) Test of significance based on F-test.
- 5) Testing of significance of sample correlation coefficient and use of Z-transformations.
- 6) Testing of equality of means and variances in sampling from a bivariate normal distribution.
- 7) Large Sample test for single means and difference of means.
- 8) Large Sample test for single proportion and difference of proportions.
- 9) Chi-square test for goodness of fit.
- 10) Chi-square test for Independence of attributes in contingency tables.
- 11) Non - Parametric Test : Sign test for univariate and Bivariate distributions.
- 12) Non - Parametric Test : Wilcoxon-Mann-Whitney test.
- 13) Non - Parametric Test : Run test.
- 14) Non - Parametric Test : Median test.
- 15) Non - Parametric Test : Kolmogorov - Smirnov Test.
- 16) Computation of various measures of mortality.
- 17) Standardised death rate by direct and indirect method.
- 18) Construction of life table.
- 19) Computation of various measures of fertility.
- 20) Computation of G.R.R. and N.R.R.
- 21) Computation of index number by simple aggregate and Weighted average method.
- 22) Construction of price and quantity index numbers by Laspeyre's, Passche's and Fisher's method.
- 23) Applications of time reversal test and factor reversal test.
- 24) Construction of cost of living index numbers.
- 25) Measurement of linear trend by -
 - i) Graphical Method
 - ii) Method of Semi averages.
 - iii) Method of least squares.
 - iv) Method of moving averages.
- 26) Measurement of seasonal variations by -
 - i) Method of simple averages.
 - ii) Ratio to trend method.
 - iii) Ratio to moving average method.
 - iv) Method of link relative.
- 27) Estimation of price elasticity of demand, income elasticity of demand and cross elasticity of demand.

List of Equipments and instruments required for a batch of students in the under graduate statistics laboratory.:

For B.Sc.-I, B.Sc.-II and B.Sc.Final :

- | | | |
|-----|---|-----------|
| 1) | Twelve digits desk model electronics calculator | - 25 |
| 2) | Biometrica tables Vol.-I and Vol.-II | - 05 each |
| 3) | Seven figure logarithmic tables | - 10 |
| 4) | Statistical Tables (Compiled) | - 10 |
| 5) | Random number tables | - 10 |
| 6) | A mathematical typewriter | - 01 |
| 7) | A duplicating machine | - 01 |
| 8) | Personal Computer | - 05 |
| 9) | Printer | - 01 |
| 10) | Statistical posters and charts | - 01 |
| 11) | Software packages, Like Ststat, Stat Lab., SPSS/OR other useful packages may be provided in laboratory for practical purpose. | |

15. POLITICAL SCIENCE

COMPARATIVE GOVT.AND POLITICS

- Unit-I : Approaches to the study of comparative politics Meaning of approach Institutional approach, political systems approach constitution and constitutionalism. Meaning of constitution, definition- what constitutionalism denotes.
- Unit-II : The Government and politics of the United Kingdom constitutional structure, salient features, executive, legislature and Judiciary, Political Parties and party system Interest and pressure groups.
- Unit-III : The Government and politics of the U.S.A., constitutional structure, salient features Executive. The President, The Vice President, The Council of Ministers, The American Congress, The Supreme Court, Judicial Review Political parties, Interest and pressure groups in the U.S.A.
- Unit-IV : The Government and Politics of Switzerland, Salient features, constitutional structure, Plural Executive, its unique features, legislature Federal Assembly, Judiciary, Swiss - Direct democracy Political Parties, Pressure Groups interest-Groups.
- Unit-V : The Government and politics of China. salient features of the constitutions of the Democratic Republic of Red China Constitutional structure- Executive, The President, The Prime Minister, Council of Ministers, standing committee ,its structure,powers and functions
Judiciary :- The Political Party System . The Role of Chinese communist Party.

Books Recommended

- G.C.Field : Government in Modern Societies.
- Ogg and Zink Foreign Government
- Strong : Modern Constitution.
- Griffith : The American Government System.
- Macridis and Ward : Modern Political System.
- Norman Hill: International Organization
- Khanna V W: Comparative study of Government and politics
- Show, Edgas : Red China Today.
- कुळकर्णी गो.मा. : निवडक संविधाने
- डॉ.शा.कृ.भोगले : प्रमुख देशांची शासन पद्धती
- शर्मा, ब्रिजमोहन : प्रमुख देशांची शासन प्रणालीयाँ
- पोतदार के.ए. : चार निवडक राज्यघटना
- पाटील बी.बी. : चार घटनांचा तौलनिक अभ्यास
- प्र.ग.मुळे : निवडक आधुनिक राजकीय व्यवस्था
- प्रा.तिजारे : प्रा.इंदापवार, प्रा.कानेटकर : आधुनिक राजकीय व्यवस्था
- प्रा.रा.ज.लोटे : आधुनिक राजकीय व्यवस्था
- डॉ.टी.डी.मुदलीयार, डॉ.ए.एस.गाडे : चीनची राजकीय व्यवस्था
- तुलनात्मक शासन आणि राजकारण - डॉ.श्रीराम यरणकर
- तुलनात्मक शासन व राजकारण : प्रा. राज. लोटे.
- भारतीय राजकारणाची संवैधानिक मीमांसा लेखक : डॉ.वामन गवई.

16. PUBLIC ADMINISTRATION

INDIAN ADMINISTRATION

(From the session 2005-06)

- Unit-I :- Development of Public Administration in India and the Constitutional Parameters of Administration.
- Structural evolution during British period, Growth since 1947, Administrative Reforms.
 - Salient features of Indian Constitution-Preamble, Federalism, Parliamentary Government, Fundamental Rights, Directive Principles and Duties-Their importance in Public Administration
 - Features of Planning and Socialism, Redressal of Public grievances, Lokpal and Lokayukta.
- Unit-II : Central Administrative Structure and Roles:
- Administration and the President, prime and Council of Ministers; Cabinet Secretariat, Prime Minister's Office, Central Secretariat; Ministries of Home Affairs, Finance and External Affairs, Planning Commission and National Development Council, Plan Implementation Machinery.

2. Non-Secretarial Organizations, their role and Relations with Ministry-Attached Offices, Subordinate offices, Boards and Commission.
3. Union- State Administrative Relations, Forms of management and problems of Public Undertakings.

Unit-III : Personnel Administration and Financial Administration:

1. Organization of All India and Central Services, Recruitment and Training, Constitutional provisions for civil Services, Central Personnel Agencies- UPSC.
2. Budget and Budgetary Process, Control over Public Expenditure-Audit and Accounts, C.A.G. Finance Commission
3. Legislative and judicial control-Structures and financial Committees.

Unit-IV Office Administration and Some Issues;

1. Procedure of Work, Drafting and Correspondence, Reports
2. Forms-Role and Design, Inventory and Storage, Control Programme
3. Manual-Purpose and Type-Organizational, policy, procedures, sources and Material of Manuals, Preparation, maintenance and preservation of Manuals.
4. Relationship between political and Permanent Executives, Generalist and Specialist, Corruption and its Machinery to control.

Books Recommended:

1. IIPA: Organization of Govt. of India
2. GOI Publications: Organizational Set Up and Functions of the Ministries.
3. Chanda A.: Indian Administration
4. Maheshwari, S. Indian Administration
5. R.K.Arora, G.D.Sharma, H.Singh: The Indian Administrative System.
6. C.P.Bhambri: Public Administration in India.
7. R.B.Jain: Contemporary Indian Administration (Vishal Publication)
8. Rai, H & Singh S.P.: Current ideas & issues in Indian Administration (Metropolitant Book Co. New Delhi).
9. Maheshwari, S.R.: Administration reforms in India (Mac Millan, Delhi.)
10. Gadgil N.V.: Rajya Vyawhar Vichar (Marathi)
11. Harishchandra Sharma: Bharat Mein Lok Prashasan (Hindi)
12. R.C. Sagar: Karyalaya Karya Vidhi

13. Swivedi, Manulal: Adarsha Karyalaya Paddhati.
14. Johnson & Sarage : Administrative Office management
15. Carl Heyel (Ed.) : Hand Book of Modern Office management and Administrative service.

18. COMMUNITY DEVELOPMENT AND EXTENSION

(w.e.f. 2006-07 session)

Time : 3 Hours

Full Marks : 100

- Unit-I
1. Social Survey - Methods and steps in social research.
 2. Nature of social problems- Definition, nature, awareness.
 3. Similarities and differences between Rural and Urban Society.
- Unit-II
1. Impact of modernisation on rural society.
 2. Family disorganisation, the problems of aged persons.
 3. Problems of rural people with special reference to weaker sections
- Unit-III
1. Leadership in rural society, reservation for women.
 2. Working of panchayat Raj institutions with reference to recent amendments.
- Unit-IV
1. Role of different political parties.
 2. Role of Election Commission.
- Unit-V
1. Gandhian concept of education.
 2. Progress and hurdles in women education
 3. Educational problems with reference to physical facilities, school drop-outs, stagnation etc.
- Note : Only elementary knowledge of the above problems is expected.

PRACTICAL

Topics for field work

Marks- 30

A) Sociological Problems.

Field visits and Survey (Study of any one)

1. Caste structure of any one village
2. Migration .
3. Caste inter-relationship.
4. Status of women in rural area.
5. Status of old persons in rural society.
6. Working of women's self held groups.

B) Administrative Problems.

Field visits and survey (Study of any one)

1. Study of women's self help group.
2. Study of emerging leadership in rural area.

C) Educational Problems

Field visits and survey (Study of any one)

1. To study the status of girls education in a village
2. To study the present position of education in weaker sections of rural society.
3. To Study availability of facilities for primary education in rural area

Field work	Full Marks - 30
1) Field visits	10 Marks
2) Record Book	10 Marks
3) Viva-Voce	10 Marks

- Notes :-**
- 1) Marks for field visits and Record Book will be given by the Internal Examiner
 - 2) Marks for viva-voce would be given jointly by the External and Internal Examiners

Books Recommended :

- १ सामाजिक संशोधन पध्दती - पु.म. भांडारकर
२. सामाजिक संशोधन - सुशिला ओडियार
३. सामाजिक आर्थिक पाहणीचे तंत्र - द.पा.आपटे
४. समाजशास्त्र - सोमण
५. समाजशास्त्राची रूपरेषा - सुमन पाटे
६. सामाजिक विघटन व समस्या - सुमन पाटे
७. ग्रामीण समाजशास्त्र - नाडगोंडे
८. महाराष्ट्र दर्शन - गोपाल दांडेकर
९. भारतीय संविधान व स्वातंत्र्य आंदोलन - प्रा.बी.टी.देशमुख
१०. भारताची राज्य घटना विकास, स्वरूप व राज्यकारभार - प्रा.घागरेकर
११. राज्यशास्त्र - प्रा.प.सी.काणे
१२. आजचे शिक्षण आजच्या समस्या - लीला पाटील व कुळकर्णी

१३. शैक्षणिक समस्या व महाराष्ट्रातील शिक्षण - डॉ.र.गो.चौधरी व ज्ञा.ह.पाटील
१४. भारतीय शिक्षाकी आधुनिक समस्याए - विजयकुमार कोहली
१५. आदर्श गाव प्रकल्प ग्रामस्थावर परिणाम : ले.डॉ.एस.आर.कावळे

19. CO-OPERATION

(From the session 2006-07)

There shall be one paper of 3 hours duration.

The paper will carry 100 marks, for written examination.

Meaning, Characteristics, functions, kinds, funds, management, merits, demerits etc in respect of Unit No. I, II and III.

- | | |
|----------|---|
| Unit-I | <ol style="list-style-type: none"> i) Service Co-operative Societies ii) Farming Co-operative Societies iii) Marketing Co-operative Societies |
| Unit-II | <ol style="list-style-type: none"> i) District Central Co-operative Bank ii) State Co-operative Bank iii) Co-operative Agricultural, Rural, Multipurpose development Bank. |
| Unit-III | <ol style="list-style-type: none"> i) (A) Consumers Co-operative Societies
(B) Student's Consumer Co-operative Stores ii) Housing Co-operative Societies iii) Urban Co-operative Bank |
| Unit-IV | Role of the Reserve Bank of India, State Bank of India and NABARD in the sphere of Co-operative Credit and Rural development. |
| Unit-V | <ol style="list-style-type: none"> i) Formation of Co-operative Societies as per Maharashtra State Co-operative act of 1960— Registration, Byelaws, Membership, Capital etc. ii) Co-operative Education and training. |

BOOKS RECOMMENDED

1. Theory and Practice of Co-operative in India and Abroad, Vol. I, II and III by Prof.K.R. Kulkarni
2. Co-operation in India by C.B.Memoria and R.D. Saksena
३. सहकार तत्त्व व्यवहार आणि व्यवस्थापन : लेखक डॉ.गो.स.कामत

४. सहकार तत्त्व आणि व्यवहार -डॉ.गो.स.कामत, डॉ.सी.बी.मेमोरीया
५. सहकाराची रूपरेषा - वनमाली /सरोदे
६. बँकींग सहकारी पतपुरवठा व्यवस्था आणि यंत्रणा - पु.घ.हौजवाला, वि.श. नाखे.
७. सहकार तत्त्वे आणि व्यवहार -प्रा.ए.आर.रायखेलकर, प्रा.अशोक डांगे
८. सहकाराचा विकास - मोहन सराफ, प्रा.डॉ.रुपा शहा
९. सहकार- मोहन सराफ / रमेश दापके
१०. सहकार - मोहन सराफ, ना.मा.आचार्य
११. सहकाराचा विकास - डी.सी.जे.जोशी
१२. सहकाराची मुलतत्त्वे -भाग-२ भारतीय सहकारी चळवळ : व्दि.टी.चौगुले, के.जी. पठाण.
१३. वँक व्यवहार कोश - वि.वि.बापट

21. FUNCTIONAL ENGLISH (OPTIONAL)

Time - 3 Hours

Full Marks - 100

Theory - 60

Practical - 40

Syllabus

(Theory & Practical Examination)

- Objectives :- 1) To enable the students to develop the power of communication, expression through composition and conversation.
- 2) To enable the students to acquire skills in reading, writing, speaking & listening

Theory-

Contents

Unit-I	Section A- Phonetics Section B- Broadcasting
Unit-II	Section A- General language skills Section B- Writing skills
Unit-III	Section A- Applied language skills Section B- Interview techniques

Unit-I Section A- Phonetics

- I) Phonetic transcription of a given passage of about 50 words
- II) Intonation - Patterns of intonation in simple sentence types.
- III) Assimilation.

IV) Elision

Section B - Introduction to Broadcasting

- I) The concept of mass communication, its status and brief introduction to its different media (Print.Radio and T.V.)

II) Anchoring Radio News

- a) News sources
b) Writing news
c) Delivering the news

III) The Radio Field Reporter

- a) Live Reporting
b) Interviewing for Radio Reporting

Section A- General language skills

Unit-II Section A - General language skills

- I) (a) Language and society.
(b) Registers and style
(c) Report writing
- II) (a) Feature writing
(b) Use of idioms and phrases
(c) Common Errors in English

Section B- Writing skills

- I) Transcoding information
a) Dialogue to paragraph
b) Paragraph to dialogue
c) Logical sequencing of sentences
- II) a) Expansion of an idea, proverb
b) Note making
c) Notices, agenda and minutes

Unit-III - Applied language skills

Section A- Business correspondence

- I) a) Job application letter and preparing the curriculum vitae
b) Business letters
c) Letters of enquiry
d) Quotations, orders and tenders
e) Complaint letters
- II) a) Script writing for Radio and T.V.
b) Announcement
c) Writing an advertisement copy
d) Compering
e) Fax messages and e-mail messages

Section B - Interview Techniques

- I) a) Importance of interview in journalism
b) Using interviews in news
- II) Principles of effective interviewing

- a) Avoiding abstractions
- b) Avoiding bias
- III) Preparing for the interview
- IV) Conducting the interview

Practical Examination - 40 Marks

- a) Record book and general performance of the students throughout the academic session.
- b) Testing listening and writing skills.
- c) Testing reading skill, loud reading (to test accent, rhythm and intonation)
- d) Viva - voce

Distribution of Marks

Unit-I

Section A-

- I) There shall be a passage of about 50 words for phonetic transcription- 5 Marks
- II) There shall be one short answer question out of two 5 Marks

Section B-

- I) There shall be one long answer question out of two 10 Marks

Unit - II

Section A-

- I) There shall be one short answer question out of two 5 Marks
- II) There shall be one short answer question out of two 5 Marks

Section B-

- I) There shall be one short answer question out of two 5 Marks
- II) There shall be one short answer question out of two 5 Marks

Unit-III

Section A

- I) There shall be one short answer question out of two from SECTION - A - I 5 Marks
- II) There shall be one short answer question out of two from SECTION - A - II 5 Marks

Section B-

- I) There shall be one long answer question out of two- 10 Marks

Practical Examination - 40 Marks

- a) Record book and general performance of the students throughout the academic session 10 Marks
- b) Testing, Listening and writing skills 10 Marks

- c) Testing reading skill, loud reading (to test accent rhythm and intonation) 10 Marks
- d) Viva-voce 10 Marks

Note:- Minimum pass marks

Theory 21 marks

Practical 14 marks

Books Recommended

Unit I -Section A-

- 1) A Text book of English Phonetics for Indian students: by T.Balsubramaniam (Macmillan)
- 2) English Phonetics for Indian students (A Work book): by T. Balsubramaniam (Macmillan)
- 3) Let us Speak English (1 book + 2 cassettes CIFEL)
- 4) A Handbook of Pronunciation of English Words (1 book + 2 cassettes CIFEL)
- 5) Spoken English : by Harrison & Bansal(Macmillan)
- 6) Advanced Learners Dictionary (Fifth Edition by O.U.P.by Hornby A.S.)

Unit- Section B-

- 1) The Art Of Broadcasting : by S.P.Jain
- 2) Television and Radio Announcing : by Stuart W.Hyde.
- 3) News Reporting and Editing : by K.M.Shrivastava.
- 4) Radio News Writing and Editing : by Carl Warren
- 5) Mass Communication : by R.K.Chatterjee.
- 6) Principles and Techniques of Journalism : by V.N.Ahuja and S.S. Chhabra (Surjeet Publication)
- 7) Audio Visual Journalism : by B.N.Ahuja
- 8) Career in Journalism : by Ajay Raj(Vikas Publishing house)

Unit-II & Unit-III

- 1) Developing Communicative Skills : by Krishna Mohan and Meera Banerji (Macmillan)
- 2) Structuring Paragraph : by A. Franklin Parks, James A.Levernier and Ida Masters Holowell (St.Matins Press)
- 3) English for All: Co-ordinating editor Nilajana Gupta(Macmillan)
- 4) English for Practical Purposes : by Z.M.Patil, B.S.Valke, Ashok Thorat and Zeenat Merchant. (Macmillan)
- 5) Indian Prose for Effective Communication: by M.Nagarajan, T Sashikaran and S.Ramamurthy (Macmillan)
- 6) Creative English for Communication : by N.Krishnaswami and T. Sriraman (Macmillan)

- 7) Current English for Colleges: by N Krishnaswami and Sriraman (Macmillan)
- 8) Dictionary of English Idioms : by Wallace (Collins)
- 9) English Conversation Practice: by Grant Tylor (Tata Mc.Graw Hill)
- 10) Modern English : by N. Krishnaswamy (Macmillan)

EARLY CHILDHOOD CARE & EDUCATION

Time : 3 Hrs for Theory paper Full Marks:100
 2 1/2 Hrs. for practical Theory : 70
 Practical : 30

Objectives :-

1. To know the importance of early childhood years and significance of early childhood education.
2. To know the historical perspective of early childhood education in India.
3. To understand the goals and objectives of early childhood care and education.
4. To understand the meaning of curriculum and its various components for Child.
5. To develop a understanding of how young children learn and grow.
6. To provide knowledge about the importance of planning a programme for young child.
7. To develop skills and abilities in the students to plan, implement and evaluates a program.
8. To know the importance of developmental assessment of young children.

Unit-I: Early Childhood Education

- i) Importance of early childhood years, Definitions, scope and its Significance, Goals and objectives of early childhood education.
- ii) History of Early Childhood Education in india.
- iii) Contributions of educational philosophers in the field of early childhood education-Madam Marie Montessori, M.Gandhi, Froebel.

Unit-II: How young children learn and play

- i) Definition of learning and its principles.
- ii) Effectiive methods of learning and teaching and learning approach.

- iii) Creating an effective learning environment in the class and the role of the teacher in promoting learning in young children.
- iv) Play and its characteristics. Theories. Stages and types of play, Values of Play.
- v) Role of play in overall development of children Use of play way approach in the curriculum for young children.

Unit-III: Institutions of Early Childhood Care and Education and Curriculum for young children.

- i) Day-care centres/creches/ pre-schools/kindergartens.
- ii) Recreational play-centres. Non-formal pre-school education and its importance.
- iii) Definition and sources of curriculum. Theories and content of the curriculum.
- iv) What is developmental appropriate curriculum.
Guidelines for development appropriate curriculum.
- v) Teacher-child interaction in developmental appropriate curriculum.

Unit-IV: Programme and Developmental assessment of young children.

- i) Importance of planning a programme for young children, How to plan, implement and evaluate the programme.
- ii) Various teaching methods : (1) Play way method, (2) Project method, (3) theme based approach and development of skills related to reading, writing and arithmetic developmental assessment of young children.
- iii) Assessment and it's purpose, Procedure of assessment, Developmental assessment.

Unit-V: Children with special needs and Recent Developments in the field of Early childhood Education.

- i) Defining children with special needs, types of disabilities.
 - 1) Physically handicapped,
 - 2) Mental retardation,
 - 3) Learning disabilities.
- ii) Sensitizing teachers about children with special needs and their role in helping them in the classroom setting.
- iii) Need to work with the parents of children with special needs and guiding them through the parent education programmes.

iv) Report of National Committee and Constructions of national organizations in the field ECCE.

Practical Experience

- 1) Visits to various institutions and report writing.
- 2) Observing how children play indoors and outdoors in pre-school institutions.
- 3) Observing children aged between 3 to 5 years in a school setting. (characteristics, interest, hobbies, games, sports, art and craft activities)
- 4) Preparing a project on developmental appropriate programme for young children.

Report Writing :

- 1) Project approach.
 - 2) Importance of project planning.
 - 3) Points to be kept in mind while planning the project.
 - 4) Importance of assessment of children.
- OR
- 5) Using assessment checklist, to assess pre-school children in the Various areas of development such as motor, cognitive and language.

BOOKS RECOMMENDED :

- 1) Joseph T. Lawion - "Introduction to child care & early childhood education"
- 2) Psychological Testing by "Anne Anastasi"
- 3) Abnormal Psychology by Coleman.
- 4) Brothy J.E. Good T.L. and Nedler S.L. "Teaching in preschool".
- 5) Muralidharan N. " The system of preschool education in India".
- 6) Jill K.R. " Nursery Schools for all".
- 7) D.Paul Chaudhari "Social Work".
- 8) Katherine " The Nursery School".
- 9) Landseth C " Education of the young child".
- 10) Moore S.B. Richard P " Teaching in nursery School".

23. Rural Handicrafts

Time-3 Hrs.

Marks-100

- | | |
|--------------------------|---------------|
| 1) 3 Hrs. for Theory | Theory- 50 |
| 2) 3 Hrs. for Practicals | Practical- 50 |

Objectives:-

1. To introduce the students with History of traditional Indian Textiles and Costumes.
2. To enable the students to learn and develop the skill in weaving, dyeing, printing and embroidery.

Unit-I:-

Introduction to traditional Indian textiles and costumes History and significance of Traditional textiles and Traditional costumes.

Unit-II:-Weaving

Materials- Kashmir, Himachal (Shawels), U.P.(Varanasi) brocades, Gujrat, A.P., Orissa, (Patola, Double Ikat) Maharashtra Handlooms- e.g. Paithani, Chandrakala, Nagpuri Sarees, Himru shawls of Aurangabad)

Unit-III:-

Dyeing and Printing:-
Gujrat- Resist dyeing and printing
Block Printing
Rajasthan- Tie and dye, Batik, Block Printing
Andhra Pradesh :- Kalamkari

Unit-IV :- Embroidery

Fabric type, designs, colors fabric and floss (Threads)
Beed work, Glass work, Applique, Phulkari, Kantha, Kasuti, Kashmiri, Chamba chikankari.

Unit-V:-

Costumes :- (Male and Female costumes)
Traditional Regional costumes, Maharashtra, Gujrat, Rajasthan, Punjab, Uttar Pradesh, Andhara Pradesh, Bengal.

Practicals :-

Marks- 25

- 1) Dyeing and Printing :-
 - 1) Block Printing- Resist Printing, (Tie and dye and Batik), Stencil printing, fabric painting, screen printing.
 - 2) Weaving- Carpet and Tapestry weaving
 - 3) Embroidery- Phulkari, Kasuti, Kantha, Chikankari, Beed work, Glasswork, applique work.

Project-

25 Marks

- 1) Collection and Presentation of any one costume

- 2) Preparation of any one article from any one
- Printing type
 - Carpet and tapestry weaving
 - Traditional Embroidery.

Distribution of marks (Practical)**25**

- | | |
|--|----------|
| 1) Printing Any one type — | 5 Marks |
| 2) Weaving A Small sample | 5 Marks |
| 3) Embroidery Samples with any two Regional Embroideries | 10 Marks |
| 4) Viva | 4 Marks |

Reference Books :-

- Dongerkery, K.S. : The Indian Saree. All India Handicraft Board, New Delhi.
- Brij Bhushan J Costumes and textiles of India, Taraporewala Sons and Company New Delhi.
- Ayer Oriental Costume : Bhula Bai Desai Road, Bombay, 1973.
- Doris Flynn. Costume of India, IBH Publishing Co. New Delhi - 1971.
- Dar S.N. Costume of India and Pakistan, D.B. Taraporewala.
- Ghurye G.S.- Indian costume, Bombay, Popular Prakashan, 1951.
- Moti Chandra- Costumes, Textiles, Cosmetics & Coiffure in Ancient D Media evil India.
- Akazi Roshan- Ancient Indian Costumes, New Delhi, Art Heritage.
- Regional Embroidery- Savitri Pandit
- वस्त्रशास्त्र - विमल अढाऊ म.वि.ग्र.वि.मंडळ, नागपूर.

Work-Load:-

3 lectures and two practicals of two period per week for 1 batch of 16 students (Each practical 2 period)

२४. राष्ट्रसंत तुकडोजी विचारधारा

(सत्र २००६-२००७ पासून)

वेळ ३ तास

एकूण गुण-

१००

- एकक - १** राष्ट्रसंताचे स्वातंत्र्योत्तर कार्य : विविध सभा संमेलनाद्वारे लोकशिक्षण, विविध महोत्सवांमधून उद्योग, प्रशिक्षण, युवकांमध्ये विवेक-विज्ञान-सेवाभाव-नेतृत्व-तेजस्विता यांचे बीजारोपण, आरोग्य व निरामय जीवनचर्या आणि राष्ट्रीय अस्मिता प्रवर्तन. सर्वोदय, भूदान चळवळ, साधुसमाज संघटन, वेदान्त परिषद, भारत सेवक समाजाचे कार्य, समयदान अभियान, राष्ट्रीय

एकात्मता प्रस्थापनेसंबंधातील कार्य, आक्रमणांचा निशेध विश्वधर्म आणि विश्वशांती परिषदेत भारतगौरव, देशस्थितीचे वास्तव चित्रण शासनकर्त्यांना समज.

एकक - २

सभासंमेलने व जनाभिमुख क्रांती : गावोगावंचे चातुर्मास्य, सालबर्डी महायज्ञ, बलसंवर्धन-लष्करी शिक्षण-राष्ट्रधर्म संघटन, राष्ट्रसेविका समिती, सर्वोदय तथा हरिजन संमेलने, तमाशा-शाहीर अधिवेशन, किर्तनकार संमेलन, राष्ट्रभाषा प्रचार संमेलन, साहित्य संमेलन, भारत सेवक समाज, भारत साधु समाज, भारतीय वेदान्त परिषद, आयुर्वेद महासंमेलने, गांधी जन्मशताब्दी व स्मृती संमेलने, ग्रामजयंती महोत्सव, विश्वधर्म परिषदा, २५ व्या बुध्दजयंती पर्वत समयदान यज्ञ यांचेद्वारा रुजविलेली वैचारिक क्रांती.

एकक - ३

लोकशिक्षण व प्रबोधन : प्रबोधनाची माध्यमे, खंजरी भजनातुन प्रबोधन, जनभाषा व जनसाहित्य, सामुदायिक प्रार्थना व श्रीगुरुदेव अधिष्ठान, डोळस श्रद्धेचा विधायक वापर-अध्यात्म-विज्ञान सामान्यतातुन जीवनश्रेयस्, शांती-भक्ती-अहिंसा सत्याग्रह-सेवा यांमधून क्रांती-शौर्य-प्रखर राष्ट्रीयता-जाणीव प्रवर्तन, व्यक्तिस्त्वासाठी राष्ट्र अस्मिता, भेदनिषेध व समता पुरस्कार, लोकसंस्कृतीकडून जनसंस्कृतीकडे, कृतीशील सामाजिक दायित्व आणि नितिमुल्य.

एकक - ४

राष्ट्रसंताची साहित्यनिर्माती : मराठी व हिंदी गद्य-पद्य रचना (निवडक) मराठी : अनुभवसागर, जीवनजागृती, समाज-संजीवनी, लोकशाहीचे पोवाडे, दिव्यदर्शन, क्रांतीविणा नवजागृती, विवेक-माधुरी, आदेश रचना, राष्ट्रीय भजनावली, सेवास्वधर्म, स्फुर्तीरंग, सुविचार स्मरणी, गीताप्रसाद, युगप्रभात, विश्वशांतीयोग, माझी आत्मकथा, राष्ट्रसंताची पत्रे, राष्ट्रसंताची भाषणे, हितबोध, अरुणोदय, हिंदी : लहरकी बरखा, जीवनज्योती, राष्ट्रीय भजनावली, गांधी गीतांजली, क्रांतीदीप, सुधासिंधु, ज्ञानदीप, राष्ट्र-नौका, आत्मप्रभा, वाचावल्ली, भजनकुंज, ज्ञानकुंज, विद्यापुष्प, अनुभव प्रकाश, मेरी जापानयात्रा, विवेक-सरिता, अनुभव प्रसाद.

एकक ५

राष्ट्रसंत आणि अन्य समाजसुधारक : धर्मश्रद्धेच्या विधायक योजनाद्वारे समाजजीवनास नैतिक-सांस्कृतिक वळण लावणारे सुधारक राष्ट्रसंत, महात्मा जोतिबा फुले, संत गाडगे बाबा, महात्मा गांधी व डॉ.बाबासाहेब आंबेडकर यांच्या कार्याच्या तुलनेत खालील बाबींच्या अनुरोधाने राष्ट्रसंताच्या कार्याचे आकलन-(१) धर्म - उपासना (२) रुढी-संस्कार-अंधश्रद्धा (३) स्त्री-पुरुष (४) शिक्षणविचार.

संदर्भ ग्रंथ

- १) राष्ट्रसंत तुकडोजी : समग्र साहित्य - ले.डॉ.कुमुदिनी खोरगडे
- २) राष्ट्रसंत आणि समाजप्रबोधन : संपा. डॉ.सुभाष सावरकर
- ३) ग्रामगीता रहस्य स्पंद २ ले.डॉ.सुभाष सावरकर, प्रकाशक-मराठी जनसाहीत्य परिषद, अमरावती.
- ४) श्री गाडगे महाराज गौरव ग्रंथ, संपा.प्राचार्य रा.तु.भगत, चैतन्य प्रकाश, कोल्हापूर.
- ५) डॉ.बाबासाहेब आंबेडकरांचे शिक्षण विचार - ले. सुनंदा जामकर, नभ प्रकाशन, अमरावती.
- ६) डॉ.आंबेडकर आणि स्त्री मुक्तीचे युद्ध - ले. डॉ. यशवंत मनोहर, युगसाक्षी प्रकाशन नागपूर.
- ७) ज्योतिबाफुले आणि स्त्रिमुक्तीचा विचार - ले.गे.ल.श्रामव्हेट, लोकवाङ्मय गृह, मुंबई.
- ८) राष्ट्रसंत स्त्रीदर्शन - ले.डॉ.नमिता शेंदरे, ओम प्रकाशन, नागपूर.
- ९) राष्ट्रसंताची जनचेतना - ले. ज्ञानेश्वर रक्षक, मराठी जनसाहीत्य परिषद, अमरावती.
- १०) सालबडी महायज्ञ - ले.रा.मो.वेलुरकर, माणिक प्रकाशन, वरखेड.
- ११) विश्वशांतीची साधना - राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन, गुरुकुंज.

सखोल अभ्यासाकरिता पुस्तके

- १) ग्रामगीता अध्याय २,३,४,५,२२ ते २८ - लेखक राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन, गुरुकुंज.
- २) जीवनयोगी खंड ४ ते ६ ले. सुदाम सावरकर, साहित्यप्रभा प्रकाशन, अमरावती.
- ३) राष्ट्रसंत समग्र गद्य वाङ्मय खंड ४ ते ६, लेखक राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन, गुरुकुंज.
- ४) राष्ट्रीय भजनावली - राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन, गुरुकुंज.
- ५) युगप्रभात - ले. राष्ट्रसंत तुकडोजी, श्री गुरुदेव प्रकाशन, गुरुकुंज.
- ६) ज्योतिराव फुले - सामाजिक तत्वज्ञान - ले. सरोज आगलावे, सुगावा, प्रकाशन पूर्णे

बी. ए. भाग-१, भाग-२ व भाग-३ करिता**ऐच्छिक विषय : 'राष्ट्रसंत तुकडोजी विचारधारा'****परीक्षेची योजना**

या विषयाच्या परीक्षेत बी. ए. भाग-१, भाग-२ व भाग-३ करिता प्रत्येकी एक याप्रमाणे एकंदर ३ लेखी प्रश्नपत्रिका असतील. यांपैकी प्रत्येक प्रश्नपत्रिका ३ तासांच्या कालावधीत सोडवावी लागेल व प्रत्येक प्रश्नपत्रिकेस एकूण १०० गुण असतील.

या विषयाच्या तासिका दर आठवड्यात ५ (पाच) होतील. वर्षभरात त्या त्या भागाच्या अभ्यासक्रमाची एकूण ५ एकके पूर्ण करावी लागतील. वर्षा अखेरीस परीक्षा होईल. लेखी प्रश्नपत्रिकेत समान गुण असलेले ५ प्रश्न असतील : त्यापैकी दोन प्रश्न दीर्घोत्तरी (एकूण ४० गुणांचे) व तीन प्रश्न लघु-उत्तरी (एकूण ६० गुणांचे) असतील. हे सर्व प्रश्न अभ्यासक्रमात नेमलेल्या ५ एककांवर-प्रत्येकी एक याप्रमाणे आधारित असतील. प्रत्येक प्रश्नाला पर्यायी प्रश्न राहिल. वस्तुनिष्ठ प्रश्न राहणार नाहीत; मात्र टिपणे/चर्चा/कारणमीमांसा या स्वरूपाचे लघुउत्तरी प्रश्न असू शकतील. लेखी प्रश्नपत्रिकेचा आराखडा सामान्यतः खाली दिल्याप्रमाणे:-

बी. ए. भाग-१, भाग-२ व भाग-३ करिता**लेखी प्रश्नपत्रिकेचा गुणनिहाय आराखडा**

वेळ ३ तास

एकूण गुण - १००

सुचना : सर्व प्रश्न सोडविणे अनिवार्य आहे.

सर्व प्रश्नांना समान गुण आहेत

सर्व एककांना समान महत्त्व आहे.

प्रश्न १ : (अ) दीर्घोत्तरी प्रश्न(एकक क्र. १ वर आधारित)

किंवा

(ब) दीर्घोत्तरी प्रश्न(एकक क्र. १ वर आधारित)

२० गुण

प्रश्न २ : (अ) दीर्घोत्तरी प्रश्न(एकक क्र. २ वर आधारित)

किंवा

(ब) दीर्घोत्तरी प्रश्न(एकक क्र. २ वर आधारित)

२० गुण

प्रश्न ३ : लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित)

(अ) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

(ब) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

(क) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

(ड) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

२० गुण

किंवा

- (क) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५
 (ख) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५
 (ग) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५
 (घ) लघु-उत्तरी प्रश्न(एकक क्र. ३ वर आधारित) ५

20 गुण

प्रश्न ४ : लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित)

- (अ) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ब) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (क) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ड) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५

20 गुण

किंवा

- (क) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ख) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (ग) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५
 (घ) लघु-उत्तरी प्रश्न(एकक क्र. ४ वर आधारित) ५

20 गुण

प्रश्न ५ : लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित)

- (अ) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ब) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (क) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ड) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५

20 गुण

किंवा

- (क) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ख) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (ग) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५
 (घ) लघु-उत्तरी प्रश्न(एकक क्र. ५ वर आधारित) ५

20 गुण

**%SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI
ORDINANCE NO. 42 OF 2005**

Examination in Environmental Studies leading to Bachelor Degree, Ordinance, 2005

Whereas it is expedient to frame an Ordinance relating to Examination in Environmental Studies leading to Bachelor Degree level, hereinafter appearing, the Management Council is hereby pleased to make the following Ordinance.

1. This Ordinance may be called "Examination in Environmental Studies leading to Bachelor Degree, Ordinance, 2005."
2. This Ordinance shall come into force from the Academic session 2005-06.
3. In this Ordinance and in other ordinances relating to the examination, unless there is anything repugnant in the subject or context :-
 - (i) "Academic session" means a session commencing on such date and ending with such date of the year following as may be appointed by the Management Council.
 - (ii) "Admission to an examination" means the issuance of an admission card to a candidate in token of his having complied with all the conditions laid down in the relevant ordinance, by a competent officer of the University.
 - (iii) "Applicant" means a person who has submitted an application to the University in the form prescribed for admission to an examination.
 - (iv) "Candidate" means a person who has been admitted to an examination by the University.
 - (v) "Regular Candidate" means an applicant who has applied for admission to a University examination through an affiliated college, Department or Institute in which he/she has prosecuting a regular course of study.
 - (vi) "Examinee" means a person who present himself/herself for an examination to which he/she has been admitted.
 - (vii) "Examination" means an examination prescribed by the University under the relevant Ordinance.
 - (viii) "External Candidate" means a candidate who is allowed to take a University examination in accordance with the provision of Original Ordinance No. 151.
 - (ix) " Non-Collegiate Candidate" means a candidate who is not a collegiate candidate.
 - (x) An "Ex-student" is a person who having once been admitted to an examination of this University, is again required to take the same examination by reason of his failure or absence thereat and shall

include a student who may have joined a college, Department or Institute again in the same class.

- (xi) "Bachelor Degree Examination" means a examination leading to Bachelor Degree of the University.
 - (xii) "Previous Year" means a year following by final year of Bachelor Degree.
4. Save as otherwise specifically provided, the conditions prescribed for admission to the examination under this Ordinance shall apply to all persons who wish to take the examination to the Degrees of the University mentioned in para 5 below.
 5. The conditions prescribed for admission to examination under this Ordinance shall apply to following degrees of the University :-
 - 1) Bachelor of Arts
 - 2) Bachelor of Performing Arts
 - 3) Bachelor of Fine Arts
 - 4) Bachelor of Mass Communication
 - 5) Bachelor of Social Work
 - 6) Bachelor of Commerce
 - 7) Bachelor of Business Administration
 - 8) Bachelor of Science
 - 9) Bachelor of Computer Science
 - 10) Bachelor of Computer Applications
 - 11) Bachelor of Pharmacy
 - 12) Bachelor of Science (Home Science)
 - 13) Bachelor of Technology (Cosmetics)
 - 14) Bachelor of Engineering
 - 15) Bachelor of Engineering (Part Time) (Civil)
 - 16) Bachelor of Textile
 - 17) Bachelor of Technology (Chemical Technology)
 - 18) Bachelor of Technology (Chemical Engg.)
 - 19) Bachelor of Architecture, and
 - 20) Bachelor of Laws (Five Year Course)
 6. i) Environmental Studies shall be a compulsory subject for a previous year examination of the following Bachelor Degrees of the University,
 - 1) Bachelor of Arts
 - 2) Bachelor of Performing Arts
 - 3) Bachelor of Fine Arts
 - 4) Bachelor of Mass Communication
 - 5) Bachelor of Social Work

- 6) Bachelor of Commerce
 - 7) Bachelor of Business Administration
 - 8) Bachelor of Science
 - 9) Bachelor of Computer Science
 - 10) Bachelor of Computer Applications
 - 11) Bachelor of Pharmacy
 - 12) Bachelor of Science (Home Science)
 - 13) Bachelor of Technology (Cosmetics)
 - 14) Bachelor of Engineering (Part Time) (Civil)
- ii) Environmental Studies shall be a compulsory subject for IIIrd & IVth Semester of the following Bachelor Degrees of the University,
- 1) Bachelor of Engineering
 - 2) Bachelor of Textile
 - 3) Bachelor of Technology (Chemical Technology)
 - 4) Bachelor of Technology (Chemical Engineering)
 - 5) Bachelor of Architecture, and
- iii) Environmental Studies shall be a compulsory subject for Vth & VIth Semester of the Degree of Bachelor of Laws (Five Year Course)
- iv) Students admitted to Second Year/Third Year/IVth Semester Vth Semester of various degree examination courses in different faculties in the academic session 2005-06 or thereafter shall have to appear for examination in the subject Environmental studies.
7. The main Examination leading to Environmental Studies shall be held in Summer and Supplementary examination in Winter every year, at such places and on such date as may be appointed by the Board of Examinations.
- Explanation** :- Examination shall be conducted on the basis of one common question paper for all Bachelor Degree examination courses irrespective of annual or semester pattern.
8. Scope of the subject for annual pattern examination and or semester pattern examination shall be as provided under the syllabus.
 9. Common question paper for all courses covered under this Ordinance alongwith answer books shall be supplied by the University to the Colleges, Departments and Institutes for conducting the examination of the subject.
 10. Valuation of the answer books relating to this subject shall be done at College/Department/Institution level only. Remuneration for valuation of answer books shall not be paid by the University. Provided that prescribed evaluation fee for evaluation of each answer Book/s of an external examinee/s appeared from the examination centre shall be paid to each examination centre.

11. It shall be obligatory on the part of the College/Department/Institute to submit candidate wise following information to the University on or before the date as may be prescribed by the University :-

Sr. No.	Grade/Category	Marks secured
1.	“A”	- 60 and above
2.	“B”	- 45 to 59
3.	“C”	- 35 to 44
4.	“D”	- 25 to 34
5.	“Fail”	- 24 and below
6.	“Absent”	

12. For the purposes of teaching, learning and examination, the Committee consisting of three teachers shall be appointed by the Principal/ Head of the Department/Head of the Institution under his/her Chairmanship/ Chairpersonship. While appointing three teachers on the said committee, the Principal shall take care that the teachers to be appointed on the committee, if necessary, shall be from different faculty.
13. i) Duration of theory examination of this subject shall be three hour.
ii) For all Bachelor Degree examinations, common question paper of 100 marks shall be provided by the University.
iii) Distribution of these 100 marks shall be as follows :-
- | | | |
|---|---|----------|
| a) Part-A, Short Answer Pattern | - | 25 Marks |
| b) Part-B, Essay type with inbuilt choice | - | 50 Marks |
| c) Part-C, Essay on Field Work | - | 25 Marks |
14. Medium of instruction shall be English or Marathi or Hindi. Question paper shall be supplied in English and Marathi and Hindi. A candidate shall have option to write answers in English or Marathi or Hindi.
15. Examination for the subject Environmental Studies shall be compulsory for external candidates appearing as a fresh candidate at Winter and/or Summer examination.
16. For teaching of the subject, there shall be atleast two hour per week. For teaching the subject to the regular candidates, a full time approved teacher of the University and or a person having Postgraduate Degree in any faculty with second class shall be considered eligible.
17. For teaching of the subject, additional fee to be charged to regular candidate shall be as prescribed by the University.
18. Every College/University Teaching Department shall Charge additional fee of Rs. 100/- to every student of the subject Environmental Studies. Out of this Rs.100/-, the College/University Teaching Department shall have to pay Rs.25/- to the University as an examination fee of each candidate for the subject Environmental Studies.
19. The Grade secured by an examinee in the examination of this subject

shall not be considered for providing the facility of A.T.K.T. in next higher class.

20. The provisions of Ordinance No. 18/2001 shall not be applicable for securing a grade or higher grade in the examination of this subject.
21. Result of the Final Year of the respective Degree shall not be declared of an examinee unless he/she secures any one of the grade in the examination of subject.

Provided an examinee admitted to Five Year LL.B. course desiring not to continue his/her education beyond Sixth Semester of the said course shall have to secure any one of the grade in the examination of the subject otherwise his/her result of Sixth Semester for awarding B.A. degree shall not be declared.

22. Certificates shall be issued, to the successful examinees in the subject Environmental Studies, after the examination.

DIRECTION

No.:5/2005.

Date : 3/6/2005

Subject : Fees to be charged to the students of the subject Environmental Studies as a compulsory subject at Bachelor Degree level

Whereas the Academic Council in its meeting held on 24/8/2003, vide Item No. 65, considered the letter received from Dr. Narendra Jain, Joint Secretary, University Grants Commission, New Delhi, dtd. 31st July, 2003, alongwith a copy of "Six month module Syllabus for Environmental Studies for Undergraduate courses" of all branches of Higher Education and resolved to refer the letter alongwith module Syllabus to all faculties for their considerations and recommendations thereon. The Council further resolved that the said recommendations be placed before the joint meeting of the Deans for further recommendations to the Academic Council,

AND

Whereas the joint meeting of Deans of faculties under the Chairmanship of Hon'ble Vice-Chancellor held on 16th July, 2004 has considered the recommendations of the faculties in the University regarding "Six month module Syllabus for Environmental Studies for Undergraduate courses" and resolved to recommend the decisions taken by it in respect of the subject Environmental Studies to the Academic Council,

AND

Whereas Academic Council in its meeting held on 16-08-2004 on considering Item No. 46 on the Agenda, resolved to accept the minutes of the joint meeting of Deans of the faculties in the University,

AND

Whereas as per decision of the Academic Council, the subject Environmental Studies is to be appointed as a compulsory subject for the previous year of the Bachelor Degree from the Academic session 2005-2006 excluding the Bachelor Degrees in the faculty of Education and LL.B. Three Year Course,

AND

Whereas the Management Council in its meeting held on 21/05/2005, vide Item No.167 has accepted fees to be charged to the students of the subject Environmental Studies as a compulsory subject at Bachelor Degree level,

AND

Whereas the matter is required to be regulated by an Ordinance and making amendment in the existing Ordinance is time consuming process,

Now, therefore, I, Dr. S.N.Patil, Vice-Chancellor of Sant Gadge Baba Amravati University in exercise of powers conferred upon me under sub section (8) of Section 14 of the Maharashtra Universities Act, 1994, do hereby issue the following direction :-

- 1) This direction shall be called "Examination in Environmental Studies leading to Bachelor Degree, Direction, 2005"
- 2) This direction shall come into force from the date of its issuance.
- 3) Every College / University Teaching Department shall charge additional fee of Rs.100/- to every student of the subject Environmental Studies. Out of this Rs.100/-, the College / University Teaching Department shall have to pay Rs. 25/- to the University as an examination fee of each candidate for the subject Environmental Studies.
- 4) Answer books of external examinee shall be evaluated at the examination centre where the examinee has been examined for the subject Environmental Studies. Each examination centre shall be paid prescribed evaluation fee for evaluation of each answer book of external examinee appeared from that examination centre.

Sd/-

(Dr. S.N.Patil)

Vice-Chancellor

Amravati

Date :03/06/2005.

26. ENVIRONMENTAL STUDIES**Total Marks : 100****PART-A****SHORT ANSWER PATTERN****25 Marks****1. The Multidisciplinary nature of environmental studies**

- . Definition, scope and importance.
- . Need for public awareness.

(2 lecture hours)

2. Social Issues and the Environment

- . From Unsustainable to Sustainable development
- . Urban problems related to energy
- . Water conservation, rain water harvesting, watershed management
- . Resettlement and rehabilitation of people; its problems and concerns. Case studies.
- . Environmental ethics : Issues and possible solutions.
- . Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- . Wasteland reclamation.
- . Consumerism and waste products.
- . Environment Protection Act.
- . Air (Prevention and Control of Pollution) Act.
- . Water (Prevention and Control of Pollution) Act.
- . Wildlife Protection Act.
- . Forest Conservation Act.
- . Issues involved in enforcement of environmental legislation.
- . Public awareness.

(7 lecture hours)

3. Human Population and the Environment

- . Population growth, variation among nations.
- . Population explosion - Family Welfare Programme.
- . Environment and human health.
- . Human Rights.
- . Value Education.
- . HIV / AIDS.
- . Women and Child Welfare.
- . Role of Information Technology in Environment and human health.
- . Case Studies.

(6 lecture hours)

PART-B**ESSAY TYPE WITH INBUILT CHOICE****50 Marks****4. Natural resources :****. Renewable and non-renewable resources :**

- . Natural resources and associated problems.
 - Forest resources : Use and over exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
 - Water resources : Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.
 - Mineral resources : Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
 - Food resources : World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer - pesticide problems, water logging, salinity, case studies.
 - Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies.
 - Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- . Role of an individual in conservation of natural resources.
- . Equitable use of resources for sustainable lifestyles.

(8 lecture hours)

5. Ecosystems

- . Concept of an ecosystem.
- . Structure and function of an ecosystem.
- . Producers, consumers and decomposers.
- . Energy flow in the ecosystem.
- . Ecological succession.
- . Food chains, food webs and ecological pyramids.
- . Introduction, types, characteristic features, structure and function of the following ecosystem :-
 - Forest ecosystem
 - Grassland ecosystem
 - Desert ecosystem
 - Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

(6 lecture hours)

6. Biodiversity and its conservation

- . Introduction - Definition : genetic, species and ecosystem diversity.
- . Biogeographical classification of India.
 - . Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values.
 - . Biodiversity at global, National and local levels.

- . India as a mega-diversity nation.
- . Hot-spots of biodiversity.
- . Threats to biodiversity : habitat loss, poaching of wildlife, man-wildlife conflicts.
- . Endangered and endemic species of India.
- . Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.

(8 lecture hours)

7. Environmental Pollution

- . Definition
 - . Causes, effects and control measures of :-
 - Air pollution
 - Water pollution
 - Soil pollution
 - Marine pollution
 - Noise pollution
 - Thermal pollution
 - Nuclear hazards
- . Solid Waste Management : Causes, effects and control measures of
 - . Role of an individual in prevention of pollution.
 - . Pollution case studies.
 - . Disaster management : floods, earthquake, cyclone and landslides.

(8 lecture hours)

PART-C**ESSAY ON FIELD WORK****25 Marks****8. Field work**

- . Visit to a local area to document environmental assets - river / forest / grass land / hill / mountain
- . Visit to a local polluted site - Urban / Rural / Industrial / Agricultural
- . Study of common plants, insects, birds.
- . Study of simple ecosystems - pond, river, hill slopes, etc.

(5 lecture hours)

- (Notes :**
- i) Contents of the syllabys mentioned under paras 1 to 8 shall be for teaching for the examination based on Annual Pattern.
 - ii) Contents of the syllabys mentioned under paras 1 to 4 shall be for teaching to the Semester commencing first, and
 - iii) Contents of the syllabys mentioned under paras 5 to 8 shall be for teaching to the Semester commencing later.

LIST OF REFERENCES :-

- 1) Agarwal, K.C., 2001, Environmental Biology, Nidi Publ. Ltd., Bikaner.
- 2) Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad - 380 013, India, Email : mapin@icenet.net (R)

- 3) Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p.
- 4) Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)
- 5) Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T., 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p.
- 6) De A.K., Environmental Chemistry, Wiley Eastern Ltd.
- 7) Down to Earth, Centre for Science and Environment (R)
- 8) Gleick, H.P. 1993, Water in Crisis, Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press. 473p.
- 9) Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural Histroy Society, Mumbai (R)
- 10) Heywood, V.H. & Watson, R.T. 1995, Global Biodiversity Assessment, Cambridge Univ. Press 1140p
- 11) Jadhav, H & Bhosale, V.M. 1995, Environmental Protection and Laws, Himalaya Pub. House, Delhi. 284 p.
- 12) Mckinney, M.L. & Schoch, R.M. 1996, Environmental Science Systems & Solutions, Web Enhanced Edition. 639 p.
- 13) Mhaskar A.K., Matter Hazardous, Techno-Science Publications (TB)
- 14) Miller T.G. Jr., Environmental Science, Wadsworth Publishing Co. (TB)
- 15) Odum, E.P., 1971, Fundamentals of Ecology, W.B.Saunders Co., U.S.A., 574p.
- 16) Rao M.N. & Datta A.K., 1987, Waste Water Treatment, Oxford & IBH Publ. Co. Pvt. Ltd. 345 p.
- 17) Sharma B.K., 2001, Environmental Chemistry, Goel Publ. House, Meerut.
- 18) Survey of the Environment, The Hindu (M)
- 19) Townsend C., Harper J., and Michael Begon, Essentials of Ecology, Blackwell Science (TB)
- 20) Trivedi R.K., Handbook of Environmental Laws, Rules, Guidelines, Compliances and Standards, Vol. I and II, Enviro Media (R)
- 21) Trivedi R.K. and P.K. Goel, Introduction to Air Pollution, Techno-Science Publications (TB)
- 22) Wagner K.D., 1998, Environmental Management, W.B.Saunders Co., Philadelphia, USA 499p.
(M) Magazine
(R) Reference
(TB) Textbook
- 23) डॉ.विठ्ठल घारपुरे : पर्यावरण शास्त्र : पिंपळापुणे अँन्ड कं. पब्लीशर्स, नागपूर.
- 24) Environmental Studies : Dr. Deshpande A.P., Dr.Chudiwale A.D., Dr.Joshi P.P., Dr. laly A.B., Pimpalapur & Co. Publishers, Nagpur.
- 25) Environmental Studies : R.R.Rajgopalan Oxford University Press : New Delhi, 2005.

28. Yogshastra

(from the session 2007-2008)

Paper - Science of Yoga

Marks-50

- Unit-I** a) Introduction of six systems Indian philosophies
b) Introduction of Patanjali Yog darshan
- Unit-II** a) Concept of Chaitta, Vrtis & Solution .to control them
b) Concept & Characteristic of Ishwara which given in Patanjali yog darshan
- Unit-III** a) Introduction of Chitta Viksepa-Pancha Kleshals. Techniques to Over come them.
b) Concept of Ktiya Yoga & Siddhis given in Patanjali Yoga darshan
- Unit-IV** a) Introduction of different systems of body.
b) Physiology of Asanas (effects of Asanas of different systems of body)
- Unit-V** a) Physiological aspects of Pranayam and Shilp karmas.
b) Therapeutical values of Yogic practices.

Reference Books :

- 1) J'atanjali Yog Sutras- By Dr.P.V.Karambekar, Kaivalyadham, Lonavala.
- 2) Anatomy & Physiology of Yogic practices - By M.M.Gore, Kaivalyadham, Lonavala.
- 3) पातांजल योगसुत्र - डॉ.एन.व्ही.करबेलकर, प्रकाशक श्री ह.व्या.प्र.मंडळ, अमरावती.

PRACTICAL**Syllabus & Examinations Systems Total** Marks-50**(All yogic practices given in B.A.Part-I syllabus)****Section-I**

- a) Sukshma vyayam (25 to 48) Marks-20
i) Two Sukshma vyayam-by examiner choice Marks-05
ii) Any three - by students' choice Marks-05
- b) Surya Namaskar 10 Counts Examiner Choice - Marks-10
- c) Asanas

Meditative Poses :- Swastikasana, Siddhasanas.

Cultural Poses:- Sarvangasana, Matsyasan, Halasans. Chakrasanas, Bhujangasanas, Shalbhansas, Dhanurasana, Ardha Mastsyendra, Simhasana, Kama pidasana, Baddha Padmasana.

Kukutasana Bakasana, Hansasana , Gurudasana, Trikonasana. Konasana.

- i) Two Asnas by examiner choice Marks-05
ii) Two. Asanas by students choice Marks-05

Section-II

Instrumental Kriyas:- Danda Dhauti, Vastra Dhouti. Gajkarni. Basti (oral introduction)

Non-Instrumental:- Kapalbhatai Tratak

- i) One instrumental Kriya by examiner choice- Marks-25
ii) One instrumental Kriya by students choice- Marks-25
iii) One non-instrumental Kriya by examiner choice Marks-25
iv) One non-instrumental Kriya by students choice Marks-25

Section-III

- A) Pranayama Bbatrika, Bharnari Marks-10
i) One type by examiner choice Marks-05
ii) One type by students choice Marks-05
- B) Bandhas Mudras- Mulbandhas, r nababandbas, Mahamudra Khechari Mudras, Yoni Mudras, Vajroli Mudras, Shumbhi Mudras
i) One Bandhas Mudras by Examiner choice - Malks -25
ii) One Bandhas Mudras by students choice Malks -25

3) Report of Project Work:-

Conducting/Attending yogasana camp for students or public (at least 5 days duration)

Reference Books 1)

१. सुक्ष्म व्यायाम -स्वामी धिरेंद्र ब्रम्हचारी, मोरारजी देसाई, योग इन्स्टिट्यूट-६८ अशोका रोड, नवी दिल्ली.

२. आसन-स्वामी कुबलानंद - लोणावळा
३. योग प्रक्रियांचे मार्गदर्शन - डॉ.एम.एल.घरोटी, कैवल्यधाम, लोणावळा.
४. योग आरोग्यम सुख संपदा - डॉ.अरुण खोडस्कर, श्री ह.व्या.प्र.मंडळ, अमरावती.
५. दृढप्रदिपीका - स्वामी दिगांबर - कैवल्यधाम लोणावळा.
६. घेरण्डसंहीता -स्वामी दिगांबर - कैवल्यधाम लोणावळा.
७. शुद्धिक्रिया - प्रयोजन आणि प्रयोग - ग.द.दातार.

29. Managment of Library Operations

Full marks - 100

- | | |
|----------|---|
| Unit-I | Acquisition of library resources
Book Selection. Purpose, need. and importance Book.
Selection Tools
Book Orderi ng
Processing of Books |
| Unit-II | Classification:
Definitions. need and purpose
Book classification need & purpose
Broad outline of classification schemes: D.D.C. and C.C. |
| Unit-III | Cataloguing
Catalogue : Need purpose and importance
Physical forms of catalogue: Printed book catalogue.
sheaf catalogue. card catalogue. OP AC
Dictionary catalogue, Classified catalogue |
| Unit-IV | Library Records and Reports
— Records
. Accession Register
. Loan Register
. Membership Register
. Periodical Record Register
. Withdrawal Register
. Binding Register
—Reports
. Annual Report
. Rules and Regulation
. Library Committee |

Unit-V

- Circulation and Stock Verification
Registration of Borrowers
Charging systems: Brown and Newark Stock Verification
Weeding of books

Recommended Books :

1. Krishna Kumar: Theory of Classification, 4th Ed. New Delhi Vikas Publishing House Pvt. :Ltd. 1994
2. Krishna Kumar: Theory of Cataloguing New Delhi Vikas Publishing House Pvt. Ltd. 1994
3. Girijakumar: Theory of Cataloguing
4. Kunturkar V.N.: An Introduction to Library Administration
5. Mitthal R.L.: Library Administration: Theory and Practice.
6. सातारकर सु.प्र. : ग्रंथ वर्गीकरण : तात्वीक, मराठवाडा विभाग ग्रंथालय संघ, औरंगाबाद १९९२.

Prospectus No. 2010112
B.A.Part-II

INDEX

Sr.No.	Subject	Page Nos.
1.	Special note for information of the Students	1 to 2
2.	Ordinance No. 146	3 to 15
3.	Ordinance No. 42 of 2005 & Direction No. 5/2005	16 to 21(a)
4.	Compulsory English	22 to 23
5.	<u>Compulsory Language</u>	
	i) Marathi	24 to 25
	ii) Hindi	25 to 27
	iii) Urdu	27 to 28
	iv) Supplementary English	28 to 29
	v) Sanskrit	29
	vi) Pali & Prakrit	29to31
6.	English Literature	
7.	<u>Literatures of the Modern Languages</u>	
	i) Marathi	31 to 32
	ii) Hindi	32 to 34
	iii) Urdu	34 to 35
8.	<u>Literatures of the Classical Languages</u>	
	i) Sanskrit	35
	ii) Pali & Prakrit	36 to 37
	iii) Persian	37 to 39
9.	Mathematics	39 to 42
10.	History	43 to 45
11.	Geography	45 to 48
12.	Economics	48 to 52
13.	Philosophy	53 to 55
14.	Indian Music	55 to 62
15.	Home Economics	62 to 67
16.	Sociology	67 to 69
17.	Psychology	70 to 73
18.	Statistics	73 to 78
19.	Political Science	73 to 79
20.	Public Administration	79 to 81
21.	Community Development & Extension	81 to 83
22.	Co-operation	83 to 84
23.	Functional English (Vocational)	84 to 88
24.	Early Childhood Care & Education	88 to 90
25.	Rural Handicraft	91 to 92
26.	Rashtrasant Tukdoji Thoughts	92 to 96
27.	Environmental Studies	97 to 100
28.	Yogshastra	101 to 103
29.	Management of Library Operations	103 to 104