

BHAGWANT UNIVERSITY
Sikar Road, Ajmer
Rajasthan



Syllabus

Institute of Humanities & social Sciences
Bachelor of Arts (BA)
(Ist Year)

B.A. Ist Year Examination (Under 10+2+3 Pattern)

| CODE No. | | SUBJECT | HOURS PER WEEK | | | | DISTRIBUTION OF MAXIMUM MARKS | | | | | |
|----------------------------------|----------------|--------------------------------------|----------------|---|---|-------|-------------------------------|----------|-------|----------------|----------|-------|
| | | | L | T | P | TOTAL | UNIVERSITY EXAM | | | PRACTICAL EXAM | | |
| | | | | | | | Internal | External | Total | Internal | External | Total |
| COMPULSORY SUBJECT(3 NOS) | | | | | | | | | | | | |
| 01ABA101 | CHOOSE ANY ONE | . GENERAL HINDI | 3 | - | - | 3 | 30 | 70 | 100 | - | - | - |
| 01ABA102 | | GENERAL ENGLISH | 3 | - | - | 3 | 30 | 70 | 100 | - | - | - |
| 01ABA103 | | GENERAL PUNJABI | 3 | - | - | 3 | 30 | 70 | 100 | - | - | - |
| 01ABA104 | | ELEMENTARY COMPUTER APPLICATION | 3 | - | - | 3 | 30 | 70 | 100 | - | - | - |
| 01ABA105 | | ENVIRONMENTAL STUDIES | 3 | - | - | 3 | 30 | 70 | 100 | - | - | - |
| OPTIONAL SUBJECTS | | | | | | | | | | | | |
| 01ABA106.1 | PAPER-I | प्राचीन काव्य | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA106.2 | PAPER-II | हिन्दी भाषा एवं साहित्य का इतिहास | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA107.1 | PAPER-I | ENGLISH POETRY AND DRAMA | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA107.2 | PAPER-II | PROSE AND FICTION | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA108.1 | PAPER-I | FOUNDATION OF INDIAN CULTURE | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA108.2 | PAPER-II | HISTORY OF INDIA UPTO A.D. 1200 A.D. | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |

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|------------|-----------|-----------------------------------|---|---|--|---|----|----|-----|----|----|-----|
| 01ABA109.1 | PAPER-I | POLITICAL THEORY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA109.2 | PAPER-II | REPRESENTATION POLITICAL THINKERS | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA110.1 | PAPER-I | MICROECONOMICS | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA110.2 | PAPER-II | INDIAN ECONOMIC THOUGHT | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA111.1 | PAPER-I | PHYSICAL BASIS OF GEOGRAPHY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA111.2 | PAPER-II | GEOGRAPHY OF RAJASTHAN | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA111.3 | PRACTICAL | GEOGRAPHY PRACTICAL | 4 | - | | 4 | - | - | - | 50 | 50 | 100 |
| 01ABA112.1 | PAPER-I | HUMAN PHYSIOLOGY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA112.2 | PAPER-II | TEXTILE AND LAUNDRY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA112.3 | PRACTICAL | PRACTICAL TEXTILE AND LAUNDRY | 4 | - | | 4 | - | - | - | 50 | 50 | 100 |
| 01ABA113.1 | PAPER-I | PRINCIPALES OF SOCIOLOGY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA113.2 | PAPER-II | II INDIAN SOCIETY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA114.1 | PAPER-I | ALGEBRA AND MATRICES | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA114.2 | PAPER-II | CALCULUS | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |

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|------------|-----------|--|---|---|---|---|----|----|-----|----|----|-----|
| 01ABA114.3 | PAPER-III | VECTOR CALCULUS & GEOMETRY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA115.1 | PAPER-I | ELEMENTS OF PUBLIC ADMINISTRATION | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA115.2 | PAPER-II | PUBLIC ADMINISTRATION IN INDIA | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA116.1 | PAPER-I | BASIC PSYCHOLOGICAL PROCESSES | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA116.2 | PAPER-II | SOCIAL PSYCHOLOGY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA116.3 | PRACTICAL | PSYCHOLOGY -PRACTICALS | - | - | 2 | 2 | - | - | 100 | 50 | 50 | 100 |
| 01ABA117.1 | PAPER-I | INTRODUCTION TO ENVIRONMENTAL SCIENCES | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA117.2 | PAPER-II | SOCIAL PERSPECTIVES ON ENVIRONMENT | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA18.1 | PAPER-I | INTRODUCTION OFEARTH SYSTEM SCIENCE | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA118.2 | PAPER-II | CRYSTALLOGRAPHY AND MINERALOGY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA119.1 | PAPER-I | PRINCIPLES OF EDUCATION | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA119.2 | PAPER-II | EDUCATIONAL PSYCHOLOGY | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA120.1 | PAPER-I | PUNJABI, PAPER-I | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |
| 01ABA117.2 | PAPER-II | PUNJABI PAPER-II | 4 | - | | 4 | 30 | 70 | 100 | - | - | - |

General Hindi

PAPER CODE:01 ABA101

Maximum marks=100

External =70

Internal =30

(Mid term15.Assignment-15)

1. सामान्य हिन्दी

समय 3 घंटे उल्टीर्णांक : 36 पूर्णांक : 100
निर्देश: इस प्रश्न-पत्र के प्राप्तांक श्रेणी निर्धारण में सम्मिलित नहीं किये जायेंगे।

अंक योजना- (अ भाग)

- गद्य एवं पद्य संकलन की विविध विधाएँ क्रमशः (25 + 25 = 50 अंक)
1. एक प्रश्न व्याख्याओं से संबंधित क्रमशः (10 + 10 = 20 अंक)
2. दो परिचयात्मक प्रश्न पाठ्य पुस्तकों से (15 + 15 = 30 अंक)

(ब भाग)

1. शब्द शुद्धि -5 अंक
2. वाक्य शुद्धि -5 अंक
3. पारिभाषिक शब्दावली (अंग्रेजी शब्दों के हिन्दी समानार्थक शब्द) -5 अंक
4. संक्षेपण -5 अंक
5. फल्लवन -5 अंक
6. वाक्यांश के लिए सार्थक शब्द -5 अंक
7. प्रारूप -5 अंक
8. शब्द युग्म: अर्थ-भेद -5 अंक
9. निबन्ध -10 अंक

गद्य-संकलन

1. ग्रामोत्थान- नानाजी देशमुख, दीनदयाल शोध संस्थान चित्रकूट
2. पर्यावरण और सनातन दृष्टि छगन मेहता, संक्रान्ति और सनातनता, संकलन से वागदेवी प्रकाशन बीकानेर
3. तिरुदुरता हुआ गणतंत्र (व्यंग्य)- हरिशंकर परसाई, तिरुछी रेखाएँ, वाणी प्रकाशन दिल्ली
4. लछमा (रेखाचित्र) महादेवी वर्मा, अतीत के चल चित्र वाणी प्रकाशन, नई दिल्ली
5. अर्पित कौ उद्दान (परिच्छेद 16) ए.पी.जे.अब्दुल कलाम प्रभात प्रकाशन, नई दिल्ली
6. भेदाघाट: मार्बल रॉक्स रै धुआंधार - अमृत लाल बेगड़ अमृतस्य नर्मदा ग्रंथ, मध्यप्रदेश अकादमी, भोपाल, मध्यप्रदेश
7. आवाज का नीलाम (एकांकी) धर्मवीर भारती गद्य-प्रभा-डॉ. नवल किशोर पंचशील प्रकाशन, जयपुर
8. सावचेती विजयदान देवा, आउटलुक पत्रिका 03.10.2005
9. हिन्दी भाषा और उसकी विरासत - डॉ विद्यानिवास मिश्र, हिन्दी साहित्य का पुनरावलोकन विद्या निवास मिश्र, प्रभा प्रकाशन, दिल्ली
10. सुसंग-कुसंग-सीताराम महर्षि, कृष्ण कुटीर, रतनगढ़, चुरू (राज.)
11. ये हैं प्रोफेसर शाशंक-डॉ. विष्णुकान्त शास्त्री - 'स्मरण को पाथेय बनने दो' संग्रह, लोक भारती, इलाहाबाद (उ. प्र.)
12. तुलसी के काव्य में 'कुराज' और 'सुराज'- प्रो. सूर्य प्रसाद दीक्षित साहित्यिक डी 54, निराला, नगर लखनऊ (उ. प्र.)

पद्य - संकलन

1. गंगावतरण, भारतेन्दु हरिश्चन्द्र 'भारतेन्दु समग्र' संपादक, हेमंत भार्गी हिन्दी प्रकाशन संस्थान, वाराणसी (उ. प्र.)
2. गोवर्धन धारण, हरिऔध 'प्रिय प्रवास' महाकाव्य हिन्दी साहित्य कुटीर, वाराणसी (उ. प्र.)
3. भारत वन्दना मैथिलीशरण गुप्त 'मंगल-घट' काव्य ग्रंथ साहित्य (नीलाम्बर परिधान)सदन चिरगाँव, झाँसी (उ. प्र.)
4. समर शेष है रामधारी सिंह दिनकर 'परशुराम की प्रतीक्षा' ग्रंथ से, राजपाल एण्ड संस, दिल्ली
5. वीरों का कैसा हो बसन्त, सुभद्रा कुमारी चौहान 'सुभद्रा कुमारी चौहान' सम्पादक: सुधा चौहान साहित्य अकादमी, नई दिल्ली
6. चल पड़े जिधर दो डग, सोहन लाल द्विवेदी 'राष्ट्रीय गीत संग्रह' साहित्य अकादमी, नई दिल्ली
7. श्रम दयाकृष्ण विजय 'श्रम-धरा' अर्चना प्रकाशन, अजमेर
8. भारती की साधना इन्दुशेखर तत्पुरुष 'हमारा दृष्टि कोण स्मारिका' 70/75 मानसरोवर जयपुर (राज.)

GENERAL ENGLISH

PAPER CODE:01 ABA102

Maximum marks=100

External =70

Internal =30

(Mid term15.Assignment-15)

Min.Pass Marks 36

Objetives : This Is Essentially a Language Based Course. It aims at making students read English prose with a view to enlarging their comprehension of the language and encouraging them to develop reading habits. It also aims at giving them basic skills in grammar widening their vocabulary and teaching them to write simple and correct English.

1. Comprehension and vocabulary

A. Question based on content from the prescribed text 10

B. Question based on a passage from the prescribed text to test the candidate's comprehension and vocabulary 20

C. Question based on an unseen passage to test the candidate's comprehension and vocabulary 10

(there will be text of essays and short stories between 100 and 120 pages in length. The text book prescribed is " Language Through Literature" (OUP, NEW DELHI)

2. Composition

A. Letter/application writing

B. Paragraph writing/ precis writing

C. Report writing

3. Translation

A. Elements of a sentence

B. Transformation of sentence

C. Modals

D. Tense usage

E. Determiners 2 marks

F. Common errors in English

G. Phrasal verbs

Phrasal verbs

Break : Break away, Break down, Break off, Break up

Bring : Bring about, Bring in, Bring up, Bring down

Come : Come by, Come across, Come upon

Carry : Carry out, Carry on, Carry off, Carry over

Call : Call on, Call off, Call at

Get : Get Along, Get Away, Get By, Get Through, Get Over

Give : Give up, Give away, Give in

Hard : Hard up, Hard of hearing, Hard nut to crack, Hard to please

Look : look after, look in to, look forward to, look upto

Put : put out, put off, put up, put up with

Run : run after, run down, run over, run out of

Take : take after, take up, take to

Books recommended

1. A.J. Thomson and : A Practical English Grammar

A.V. Martinet (Oxford Paper Back)

2. S.Pit Corder : Intermediate English Practice Book (Orient Longman)

3. Bhaskaran and : Strengthen Your English

Hordburgh (OUP 1973)

4. T.I.h. Smith – Pearce : The English Errors Of Indian Students (OUP)

5. I.K. Sharma and : A Practical Course of English (Ramesh Book

V.D. Singh Depot, Jaipur)

(GENERAL PUNJABI)

PAPER CODE:01 ABA103

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Punjabi

ਯੂਨਿਟ ਅਤੇ ਥੀਮ

1. ਨਿਰਧਾਰਤ ਲੇਖਕਾਂ ਵਿਚੋਂ ਕਿਸੇ ਇਕ ਦਾ ਜੀਵਨ, ਰਚਨਾ ਅਤੇ ਸਾਹਿਤਕ ਯੋਗਦਾਨ (ਦੋ ਕਵੀ ਅਤੇ ਦੋ ਕਹਾਣੀਕਾਰ ਭਾਵ ਚਾਰ ਵਿਚੋਂ ਇਕ ਲਿਖਣਾ ਹੈ। ਲੇਖਕ: ਪੂਰਨਸਿੰਘ, ਮੋਹਨ ਸਿੰਘ, ਭਾਈ ਵੀਰ ਸਿੰਘ, ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਸੁਰਜੀਤ ਪਾਤਰ, ਗੁਰਬਖਸ਼ ਸਿੰਘ ਪ੍ਰੀਤਲੜੀ, ਸੁਜਾਨ ਸਿੰਘ, ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ, ਸੁਖਵੰਤ ਕੌਰ ਮਾਨ, ਮੋਹਨ ਭੰਡਾਰੀ)
2. ਲੇਖ (500 ਸ਼ਬਦਾਂ ਵਿਚ) ਚਲੰਤ ਮਾਮਲਿਆਂ, ਸਮਾਜਕ ਮਸਲਿਆਂ, ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਨਾਲ ਸੰਬੰਧਤ (ਚਾਰ ਵਿਚੋਂ ਇਕ ਕਰਨਾ ਹੈ)
3. ਸੰਖੇਪ ਰਚਨਾ (ਪ੍ਰੈਸੀ)
4. ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿਚ ਅਨੁਵਾਦ (ਸਾਹਿਤਕ ਪੈਰ੍ਹੇ ਦੇ ਲਗਭਗ 100 ਸ਼ਬਦ)
5. ਸੂਚਨਾ ਹਿਤ ਨੋਟਿਸ ਲਿਖਣਾ (ਸਾਹਿਤਕ, ਸਭਿਆਚਾਰਕ ਅਤੇ ਖੇਡ ਖੇਤਰ ਨਾਲ ਸੰਬੰਧਤ ਕਾਲਜ ਦੀਆਂ ਹੋਰ ਗਤੀਵਿਧੀਆਂ ਬਾਰੇ)
6. ਵਿਸ਼ਰਾਮ ਚਿੱਠੀ
7. ਸ਼ੁੱਧ-ਅਸ਼ੁੱਧ, ਅਗੇਤਰ ਪਿਛੇਤਰ
8. ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ: (ਛੇ ਵਿਚੋਂ ਚਾਰ : ਵਾਕ ਇਸ ਪ੍ਰਕਾਰ ਬਣਾਓ ਕਿ ਅਰਥ ਸਪਸ਼ਟ ਹੋ ਜਾਣ)

ELEMENTARY COMPUTER APPLICATIONS

PAPER CODE:01 ABA104

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Compulsory in I year for all streams at undergraduate level

Pass Marks 36

Theory Examination paper will be as follows:

Duration 3 hours, maximum marks 70, consisting of 70 objective type questions of 1 marks each.

Syllabus

1. Introduction to Information Technology, evolution and generation of computers, type of computers, micro, mini, mainframe and super computer. Architecture of a computer system: CPU, ALU, Memory (RAM, ROM families) cache memory, input/output devices, pointing devices.
2. Number system (binary, octal, decimal and hexadecimal) and their inter-conversions, character codes (ASCII, EBCDIC and Unicode). Logic gates, Boolean Algebra, machine, assembly and high level language including 3GL and 4GL.
3. Concept of Operating system, need and types of operating systems, batch, single user, multi-processing, distributed and time-shared operating systems. Process and memory management concepts. Introduction to Unix, Linux, Windows, Windows NT systems and their simple commands.
4. Internet: Concepts, email services, world wide web, web browsers, search engines, simple programs in HTML, type of HTML documents, document structure element, type and character formation, tables, frames and forms.
5. Word processing packages, standard features like tool bar, word wrap, text formatting, paragraph formatting, effect to text, mail-merge.
6. Presentation Packages: Slide creation, slide shows, adding graphics, formatting, customizing and printing.
7. Computer Networking: Type of networks, LAN, MAN and WAN concept of technology, bridges and routers, gateways and modems, ISDN and leased lines, teleconferencing and videoconferencing.
8. Multimedia technology: Introduction, framework for multimedia devices, image compression standards, JPEG, MPEG and MIDI formats.
9. Database Management Systems: Data, field and records, information database, creation of a database file, insertion, deletion and updating of records, modifying structure, editing and browsing of records, searching, sorting and indexing of records, retrieving of records and report generation. Data processing in government organizations.
10. E-commerce: Concept of e-commerce, benefits and growth of e-commerce, security considerations and hazards of virus and other security risks, anti-virus software, electronic payment system.

Laboratory:

The laboratory exercises will be designed to help in the understanding of concepts of computer and the utilization in the areas outlined in the theory syllabus. The emphasis should be on practical usage rather than on theoretical concepts only. In addition, MS-Office package is to be practiced in the lab.

ENVIRONMENTAL STUDIES

PAPER CODE:01 ABA105

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Compulsory in 1 year for all streams at undergraduate level

Pass Marks 36

Theory paper will contain nine questions. The students are required to attempt five question in all including question no.1 which will be compulsory.

Q1 short answer type. Ten question of two marks each (compulsory)

$10 \times 2 = 20$ marks

Q2 to Q10 essay type question of 10 marks each (attempt any five)

The students are required to visit some field or sites mentioned in the syllabus Under the guidance of a teacher. The teacher shall certify that the student has visited the site and should further inform their respective principal in writing regarding the same.

Note:

1. The marks secured in this paper shall not be counted in awarding the division to a candidate.
2. The candidate has to clear compulsory paper in three chances
3. Non appearing or absent in the examination of compulsory paper will be

Counted a chance.

CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES FOR UNDERGRADUATE COURSES OF ALL BRANCHES OF HIGHER EDUCATION

Unit 1: The Multidisciplinary nature of environmental studies

Definition, scope and importance

Need for public awareness.

Unit 2: Natural Resources:

Renewable and non-renewable resources:

Natural resources and associated problems.

a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.

b) Water resources: Use and over-utilization of surface and groundwater, floods, drought, conflicts over water, dams-benefits and problems.

c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.

d) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.

e) Energy resources: Growing energy needs, renewable and nonrenewable energy sources, use of alternate energy sources. Case studies.

f) 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.

Unit 3: 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:

a. Forest ecosystem

b. Grassland ecosystem

c. Desert ecosystem

d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

Unit 4: 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.

Unit 5: Environmental Pollution

Definition

Causes, effects and control measures of:-

a. Air pollution

b. Water pollution

c. Soil pollution

d. Marine pollution

e. Noise pollution

f. Thermal pollution

g. Nuclear hazards

Solid waste Management: Causes, effects and control measures of urban and industrial wastes.

Role of an individual in prevention of pollution

Pollution case studies.

Disaster management: floods, earthquake, cyclone and landslides.

Unit 6: 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.
- Environmental 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.

Unit 7: 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.

Unit 8: Field Work

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

हिन्दी साहित्य

पाठ्यक्रम : प्राचीन काव्य

प्रश्न प्रश्न - पत्र

PAPER CODE:01 ABA106.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

पाठ्य पुस्तकें : संकेतित पद्यांश संलग्न हैं।

काव्य शास्त्र - इत्यनें निम्नलिखित पाठ्य सामग्री होगी -

काव्य- गुण, काव्य -दोष, शब्द -साधित, सौमि, आलंकार

(अनुशास, मनक, रसोप खभावोचित, उचन, लयक, उल्लेख, अतिरयोचित, ध्वनिक,

सन्देह, आश्रितान्, दुष्टान्, उदाहरण, दीनक, अनेहनुति, अधोक्षरमास) उक्त काव्य के

पदिकांशों में प्रमुक्त पदों का चर्चण ।

1. जोशा चारु वा दूहा
2. कवीर
3. संतकाली
4. जामली
5. सुन्दरस
6. सुलली
7. मीरा
8. रत्नजान

1. कौला मारु रा दुहा

नरवर देस सुहायणत दुहै से अकथ कहानी सेन की दुहै तक
(से. रामसिंह, सुयं कल्याणारीक, नरोत्तम दास ख्यामी, नागरी प्रचारिणी सभा वाराणसी)

2. कबीर

(कबीर जन्मावली - माम सुन्दर दास, नागरी प्रचारिणी सभा वाराणी)

पद - 1

दुलहनी गायहु ----- पुनि एक अदिनासी ।।

पद - 2

बहुत दिनन न ----- दीन्हा ।।

पद - 3

ससो भाई आई ----- ममा तन जीना ।

पद - 4

पाँडे जौन कुचति ----- राम तयो साई ।

पद - 5

हम न मरै ----- दुख सागर नाथा ।

पद - 8

मामा महा टगिनी ----- अकथ कहानी ।

पद - 7

जीनी जीनी जीनी ----- हरि दीनी महरिमा ।

पद - 8

पानी न पीन ----- सतज विसे अदिनासी ।

पद - 9

मन रे राम सुचिरे ----- राम करि सनेटी ।

पद - 10

साठे री नसनी ----- नहीं मूए इकारे जान ।

गुरु देव की अंग

सतगुरु की महिमा ----- दिखायनहार ।

रामनाम की महतरे ----- रही मन पीठि ।

सतगुरु सीखा ----- मद्रमा कलौजे टोका ।

मामा दीनक नर ----- एक जाम उपरंत ।

धावनि पाई ----- मानसरोवर तीर ।

मन की अंग

मन के मरै ----- अनुदा जाणि ।

मन गोरख मन ----- जौं करला साई ।

कबीर मन गाकिसा ----- हरगढ माहि ।

कबीर मन पंथी ----- मामा के पास ।

करता धा री ----- कहीं री जाई ।

बिरह की अंग

बिरहनि कनी पंथ ----- कबर मिलेगं जाई ।

महु तन जाली ----- बरनि पुजाई जाणि ।

बिरह मुकाम तन ----- जिसे त जोरा साई ।

अपठियां जाई मड़ी ----- राम पुकारि पुकारि ।

हंसि हंसि कल ----- नहीं दुहागनि जाई ।

मामा की अंग

कबीरा मामा मोहनी ----- नहीं री करली पीठ ।

विषया सीधी नां पुछे ----- मे हां सुमिसाई ।

मामा नरवर विधिप ----- काल पीली रहि तान ।

कबीर मामा मोह ----- रह बसत रीं रोई ।

मामा को जल जग ----- कहीं लपटी जाणि ।

बितावणी की अंग

सातो सनह तु पाजत ----- बैरन सागे जात ।

महु ऐसा खसार है ----- मुटै रंगि न भूत ।

विषया जेनन दुखन है ----- जहुनि न सागे डार ।

कबीर कला तरबिया ----- खरवर भये मलास ।

मैं मैं मड़ी मसाई ----- कहीं लपटी जात ।

3. संतसाणी

1. नामदेव

(संत नामदेव - प्रकाशक, रामा ख्यामी कल्याण म्यास, टैरा काला जैनस सिंडरिजिल
जम नरवर, मद्रास)

1. हरि नाथ हीरा ----- उरारे पास ।
2. बरत तें बरकला ----- राम ही जामे ।
3. जौ स्या राम नाथे ----- पयजला हरिम ।
4. ऐसे जगथे दास ----- नामदेव दास ।
5. कपट मैं न कियो ----- नामदेव दास ।
6. हरि जिन कोर ----- नामदेव करणे उपरगे ।

- विरह - वर्णन
- दूर स्थावर विन्नांकित 20 पद

घातकत्व

1. जखोडा हरि पासने भुलाने
2. मेमा में हो बह खिलोको लोहो
3. खंलन दुरि जात किन बान्ध
4. मेमा बहुत दुरो बलदाज
5. खंलन अम मेरी जात बलोमा

गोपी - प्रेम

6. हरि कुछ निरखत मेन भुलाने
7. बिलषन रोके हु न रही
8. भुलत स्थान कौन सु गोरी
9. सजनि निरखी हरि को लन
10. अम हो बकट भई जा जायी

विरह- वर्णन

11. मधुकर स्थान इनारे शोर
12. विनु गोपाता मेदिन भइ कुंज
13. इनारे हरि डारिल की सकरी
14. प्रीति करि बाहु सुख न राहो
15. सहेसनि मधुमन खून भरे
16. सखी इन मेननि ते पान डारे
17. निरगुन कौन देत को बाली
18. ऊपी मन पाने की दात
19. सहेसो देवकी सां कठियां
20. ऊपी सोठि ब्रज बिलरह वाली

8. तुलसी

(गीता प्रेस, गोरखपुर)

- आदिका प्रसंग - रामचरितमानस
- विनय मंत्रिका - उतराहुँ के प्रारम्भिक चौथ पद

7. बीरा

- बीरा बटाबली

(राम्भू सिंह मनोहर के प्रारम्भिक 25 पद)

8. रसखान

(रसखान ग्रंथावली, संपादन-दंडा राज सिंह भाटी, जसोक प्रकाशन, नई सड़क दिल्ली)

अभित

1. प्रान बही जु रहे ----- भायो।
2. मेन बही उनको ----- सो हे रसखानी।
3. वाचुव ही तो ----- कहर की डारन।
4. मा लखुटी ----- कुंजन ऊपर धारी।
5. सस बहेस गनेस ----- मे नाच नबाई।
6. ब्रह्म मे कुंजयो पुनानन ----- राधिका पावन।
7. बाडा रसखानी ----- नभ के कुमार को।
8. जो रसना रस ना बिलसे ----- कालिंदी - कुल कहर की डारन।
9. बंस के कौन की मेस गई ----- कलंक तनल से कीरति डार सी।
10. डीनदी जी गविका ----- साखनहारी हे साखनहारी।

द्वितीय प्रश्न - पत्र

पाठ्यक्रम - हिन्दी भाषा एवं साहित्य का इतिहास

1. दो प्रश्न हिन्दी के उद्भव और विकास तथा हिन्दी भाषा परिवार से सम्बन्धित -
(अ) हिन्दी भाषा का उद्भव और विकास
(ब) ब्रज, अवधी और राजस्थानी का सामान्य परिवार
(ग) राजस्थानी भाषा और उसकी उपभाषाओं का सामान्य परिवार
2. तीन प्रश्न हिन्दी साहित्य के इतिहास पर -
(अ) काल-विभाजन, नामकरण, कालगत परिस्थितियाँ,
(ब) प्रयुक्तियाँ एवं प्रयुक्त रचनाकार
(ग) आधुनिक काल में कविता का विकास
भारतेंद्रु काल, द्विपदी काल, जामावारी काल, जामावारीतर काल, नई कविता का विकास

सहायक पुस्तकें

1. हिन्दी साहित्य इतिहास-रामकाष्ठ मुकुल, काली नागरी, प्र. सभा, आरागसी।
2. आधुनिक हिन्दी साहित्य का विकास- डॉ. श्रीधर लाल, हिन्दी परिषद् विरधितालय, प्रयाग।
3. हिन्दी साहित्य का उद्भव और विकास - इजारी प्रकाश द्विपदी।
4. आधुनिक साहित्य की पुनिका - डॉ. लक्ष्मीनारायण शर्मण हिन्दी परिषद् विरधितालय, प्रयाग
5. स्वर्णयौत्तर हिन्दी साहित्य का विकास - डॉ. लक्ष्मीनारायण शर्मण।
6. हिन्दी साहित्य का आलोचनात्मक इतिहास - डॉ. रामकुमार वर्मा।
7. नई कविता, स्वल्प और सनस्यार्ई - डॉ. जगदीश, गुवा, भारतीय ज्ञानपीठ प्रकाशन।
8. हिन्दी साहित्य का सुनोय इतिहास - बाबू गुलाबराय।
9. हिन्दी साहित्य का इतिहास - सम्पादक - डॉ. भातक एवं राजकुमार वर्मा।
10. हिन्दी साहित्य का इतिहास - सम्पादक - डॉ. नागेश।

ENGLISH LITERATURE

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

PAPER-I : ENGLISH POETRY AND DRAMA

PAPER CODE:01 ABA107.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Candidates will be required to answer five questions in all. one from each Unit. However, there will be internal choice as part of unitization scheme. All questions will carry equal marks.

Unit-I 20

Four passages for explanation with reference to the context from the texts. prescribed in Units III and IV.

Unit-II 20

Objective-type Questions

Short-answer Questions

Unit-III (For detailed study) 20

Poems from The Poet's Pen ed P.E. And Homai P. Dustoor (OUP.)
(for detailed study)

Edmund Spenser : Ice And Fire

William Shakespeare : Like As The Waves, When To The Sessions

John Donne : Death, Be Not Proud, Goe And Catch A Falling Star

Henry Vaughan : The Retreat

Andrew Marvel : Thoughts In A Garden.

John Milton : When The Assault Was Intended, Lucifer In Hell

John Dryden : Shadwell, Alexander's Feast

Alexander Pope : From "An Essay On Man".

Unit-IV (For detailed Study) 20

William Shakespeare : Twelfth Night

Unit-V 20

Literary History : Elizabethan Period, Neo-Classical Period.

Literary Terms : Sonnet, Ode, Conceit, Lyric, Simile, Metaphor,

Alliteration, Blank Verse, Rhythm, Heroic Couplet,

Hyperbole, Pun, Renaissance, Restoration, Satire,

Comedy.

Recommended Books :

1. M.H. Abrams : **A Glossary of Literary Terms (Macmillan)**

2. W.H. Hudson : **An Outline History of English Literature.**

Paper II : PROSE AND FICTION

PAPER CODE:01 ABA107.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note:

1. Candidates will be required to answer five questions in all one from each Unit. However, there will be internal choice as part of unitization scheme. All questions will carry equal marks.

2. Essays prescribed In Unit III From : 'English Essayists'. Ed. Susanta.K.Sinha (OUP.) Short stories prescribed In Unit IV are from : Essays, Short Stories and

One Act Plays' Ed. R.K. KAUSHIK and S.C. BHATIA (OUP.)

Unit I 20

Four passages for explanation with reference to the context from texts prescribed in Units III and IV.

Unit II 20

Objective-type Questions

Short-answer Questions

Unit-III (For detailed study) 20

Francis Bacon : Of Studies , Of Travel

J. Addison : Meditations In Westminster Abbey .

R.Steele : Recollections Of Childhood

D. Goldsmith : Beau Tibbs

C . lamb : Dream Children

R.I. Stevenson : The Ideal House

William Hazlitt : On The Feeling Of Immortality In Youth

Unit-IV (For detailed study)

Anonymous : The Three Dancing Goats

Karel Capek : The Fortune-Teller

Anton Chekhov : Grief

Kantherine Mansfield : The Doll's House

Leo Tolstoy : How Much Land Does A Man Need ?

Arthur Conan Doyle : The Adventure Of The Blue Carbuncle

Unit-V

R.k. Narayan : The English Teacher

HISTORY

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Part A Note : Part A will contain 10 question in all. candidate are required to attempt all question in 20 words each. All questions carry equal marks.

Part B Part B will contain 05 question having one internal choice. Candidate are required to attempt five questions 50 words each. All questions carry equal marks.

Part C Part C will cantain 05 questions in all. Candidate are required to attempt 03 questions in 400 words each. All questions carry equal marks.

PAPER I : FOUNDATION OF INDIAN CULTURE

PAPER CODE:01 ABA108.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

PART – A

Main features of Indian culture, Indus religion; Vedic religion; Jainism and Buddhism, Main features of Puranic religion. Varna System; Ashram System; Upanayana and Vivaha Sanskars; Purusharthas, Main centres of Ancient Indian education.

PART – B

Ramayana; Mahabharata, Cultural importance of the Puranas, Development of Science during the Gupta period, Kalidas and Tulsidas.

Salient features of the Indus and Mauryan Art, Mathura Art, Gupta Temples, Mughal architecture, Schools of Rajput paintings.

PART– C

Bhakti Movement and Sufism and their impact on Indian culture, socioreligious contribution of Brahma Samaj, Arya Samaj and Ram Krishan Mission. Social and cultural significance of the ideas of Ravindranath Tagore.

Paper II

History of India upto 1200 A.D. 3 hrs duration Max. Marks 100

There will be following three parts in the question paper of this subject.

PAPER II : HISTORY OF INDIA UPTO A.D. 1200 A.D.

PAPER CODE:01 ABA108.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Part A Marks –Note : Part A will contain 10 question in all. candidate are required to attempt all question in 20 words each. All questions carry equal marks.

Part B Marks –Part B will contain 05 question having one internal choice. Candidate are required to attempt five questions 50 words each. All questions carry equal marks.

Part C Marks –Part C will contain 05 questions in all. Candidate are required to attempt 03 questions in 400 words each. All questions carry equal marks.

PART – A

Survey of the sources

Indian Prehistory - Paleolithic and Mesolithic cultures, rock art: concept of Neolithic culture. Indus civilization - Origin, extent, city planning, economic organisation. Art and Architecture. Culture reflected in the Vedic Literature - Polity, religion, economy and Main features of Gupta sculpture. Iron age culture known from Megaliths of North and Deccan. Rise of territorial states

PART – B

New religious movements in North India - Social impact of Buddhism and Jainism. The Mauryan Empire- State, Administration and Economy. Ashoka's Dhamma - its nature and propagation. Post-Mauryan Period - Sungas, Western Kshatrapas, Satvahans and Kushanas; Kushana Art and Architecture (Mathura and Gandhara Schools of sculpture) trade and coinage. Culture as reflected in Sangam Literature.

PART – C

History of Guptas up to Skandagupta, Administration, Economy, Society, Literature. Post Gupta Period - States of Pallavas, Chalukyas and Vardhana Dynastics: Short history of Gurjara Pratiharas. Palas, Senas, Rastrakutas and Cholas: Art of South Indian Temples: Invasion of Arabs, Ghaznavids and Ghorids

POLITICAL SCIENCE

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

PAPER -I - Political Theory

PAPER CODE:01 ABA109.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part A (20 marks)

is compulsory and contains 10 questions at least three questions from each unit. Each question is of two marks (20 words). Part -B (20 marks) is compulsory and will contain five questions; at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words). Part-C (30 marks) contains six questions : two from each unit. Candidate is required to attempt three questions : one from each Unit. Each question is of twenty marks (400 words).

UNIT I

Political Theory

Meaning, Nature and Significance, Types of Theory - Normative and Empirical, Behaviouralism and Post-Behaviouralism. Scientific Method and Theory Building. Decline and Revival of Political Theory.

Unit II

State and Government

Nature and functions with special reference to Idealist, liberal and Marxist Theories, Political System : Eastonian Model of Political System.

Forms :

Democracy and Dictatorship; Unitary and Federal; Presidential and Parliamentary Governments.

Organs :

Theory of Separation of Powers; Organization and functions of Executive, Legislature and Judiciary.

Unit III

Political Concepts and Democracy :

Concepts : Sovereignty, Rights, Liberty, Equality, Justice, Power (Laswell), Authority (Max Weber) Political Development (Lucian Pye) Political Culture (Almond); E-Governance .

Democracy :

Theories : Classical, Individualistic, Elite, Pluralist and Marxist.

Models : Participatory and Representative.

Organization : Theories of Representations, Electoral System with special reference to Proportional Representation.

Selected Readings :

1. A. Appadorai: Substance of Politics
2. A. Ashirvadam: Principles of Political Science
3. C. B. Macpherson : Democratic Theory : Essays in Retrieval, Oxford, The Clarendon Press, 1977.
4. D. Germino : Beyond Ideology : The Revival of Political Theory, New York, Harper and Row, 1967.
5. Robert Dahl : Models of Democracy, Cambridge, Polity Press, 1987.
6. Robert Dahl: Political Theory and the Modern State, Cambridge, Polity Press, 1989.
7. D. Held: Political Theory Today, Cambridge, Polity Press, 1991.
8. D. Milller: Social Justice, Oxford, The Clarendon Press, 1976.
9. David Marsh & Gerry Stoker: Theory and Methods in Political Science , Macmillan's Publishing , U.K. ,2001
10. G. Catlin : A Study of the Principle of Politics, London and New York, Oxford University Press, 1930.
11. H. J. Laski : Grammar of Politics
12. J. C. Johari :Principles of Political Science
13. J. S.Bakes & R.B. Jain: Political Science in Transition
14. J.W.Garner:Political Science and Government
15. L.S.Rathore : In Defense of Political Theory
16. M. Carnoy : The State and Political Theory, Princeton NJ. Princeton University Press, 1984
17. M.K. Baharwal : Indian Political Thinker, Himanshu Publication Udaipur
18. N. P. Barry: Introduction to Modern Political Theory, London, Macmillan, 1995.
19. R. C.Vermani:Political Theory
20. R. Dhal: Modern Political Analysis, Englewood Cliffs NJ, Prentice Hall, 1963.
21. R. G. Gettle: Introduction to Political Science
22. Sir, E. Barker : Principles of Social and Political Theory, Calcutta, Oxford University Press, 1976
23. Tripti Jain : Fundamentals of Political Science
24. डॉ. मनोज बहरवाल : राजनीतिक सिद्धान्त
25. डॉ. पुखराज जैन : राजनीतिक विज्ञान के मूल आधार

PAPER II : REPRESENTATION POLITICAL THINKERS

PAPER CODE:01 ABA109.2

Maximum marks=100

External =70

Internal =30

(Mid term15.Assignment-15)

3 hrs. duration Max. Marks 100

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part A (20 marks) is compulsory and contains 10 questions at least three questions from each unit each question is of two mark (20 words). Part -B (20 marks) is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words). Part-C (30 marks) contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

Unit I

Manu, Kautilya, Shukra

Unit II

Raja Ram Mohan Roy, Swami Dayanand Saraswati, Gopal Krishna Gokhale, Bal Gangadhar Tilak

Unit III

M.K. Gandhi, Jawahar Lal Nehru, B.R. Ambedkar, M.N. Roy, Jai Prakash Narayan.

Selected Readings :

1. A. R.Appodorai : Indian Political Thinking
2. B.R. Purohit : Development of Political Thought, Rajasthan Hindi Granth Academy, Jaipur, 2000. (in Hindi)
3. C. Bhraill : Social and Political Ideas of B.R. Ambedkar
4. D.Mathur : Gokahale : A Political Autobiography
5. K.P.Karunakaran : Continuity and Change in Indian Politics
6. L.P. Sinha : Left in Indian Politics
7. M.A. Buch : Rise and Growth of Indian Liberalism
8. Purshattam Nagar : Indian Modern Social and Political Thought, Rajasthan Hindi Granth Academy, Jaipur, 2000. (in Hindi)
9. Subrata Mukherjee & Sushila Ramaswamy : A History of Political Thought- Plato to Marx
10. V.P. Verma : Political Theories
11. V.R. Mehta : Foundations of Indian Political Thought, Manohar Publishers and Distributors, New Delhi, 1999.
12. Verendera Grover : Bal Gangadhar Tilak
13. W.A. Dunning : History of Political theory (3 Volumes)
14. बी. एल. फडिया रू पाश्चात्य राजनीतिक विचारों का इतिहास
15. हरिदत्त वेदांलकार रू पाश्चात्य राजनीतिक विचारों का इतिहास
16. डॉ. बी. आर. पुरोहित : राजनीतिक चिन्तन का विकास
17. पी. डी. शर्मा : पाश्चात्य राजनीतिक विचारों का इतिहास
18. एम.के. बहरवाल : भारतीय राजनीतिक विचारक, हिमांशु प्रकाशन, उदयपुर।

ECONOMICS

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-I MICROECONOMICS

PAPER CODE:01 ABA110.1

Maximum marks=100

External =70

In examination each paper will contain three parts A, B and C.

Part A

All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B

All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C - The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Unit I

Introduction

Nature and scope of economics; Methodology in economics; Choice as an economic problem; basic postulates; Role of price mechanism; Demand and supply; Basic framework-applications; Market equilibrium.

Consumer's Behaviour

Utility - Cardinal and ordinal approaches; Indifference curve; Consumer's equilibrium (Hicks and Slutsky); Giffin goods; Elasticity of demand-Price, income and cross; Consumer's surplus; Engle curve.

Theory of Production and Costs

Production decisions; Production function; Iso-quant, Factor substitution; law of variable proportions; returns to scale; economies of scale;

Unit II

Different concepts of cost and their interrelation; Equilibrium of the firm; Expansion path.

Market Structure

Market forms - Perfect and imperfect markets; Price & Output determination in Perfect competition, monopoly, Monopolistic Competition, Duopoly, Oligopoly (Paul's M Sweezy Model). Price discrimination under monopoly, Measure of monopoly power. Regulation of Monopoly.

Factor Pricing

Marginal productivity theory of distribution; Modern Theory of Factor Price Determination . Theories of wage determination; Wages and collective bargaining; Wage differentials;

Unit III

Rent - Scarcity rent; Differential rent; Quasi rent; interest - Classical and Keynesian theories; Profits - Innovation, risk and uncertainty theories.

Investment Analysis, Rent, Interest and Profit

Payback period - average annual rate of return, Net present value, Internal rate of return criteria, price changes, risk and uncertainty, elements of social costbenefit analysis.

Welfare Economics

Problems in measuring welfare; Classical welfare economics; Pareto's criteria(Production, Consumption and Distribution); Concept of a social welfare function; Compensation principle - Kaldor, Hicks.

BASIC READING LIST

- Bach, G.L. (1977), Economics, Prentice Hall of India, New Delhi.
- Gauld, J.P. and Edward P.L. (1996), Microeconomic Theory, Richard Irwin, Homewood.
- Henderson J. and R.E. Quandt (1980), Microeconomic Theory : A mathematical Approach, McGraw Hill, New Delhi.
- Heathfield and Wibe (1987), An Introduction to Cost and Production Functions, Macmillan, London.
- Koutsoyiannis, A. (1990), Modern Microeconomics, macmillan.
- Lipsey, R.G. and K.A. Chrystal (1999), Principles of Economics (9th Edition), Oxford University Press, Oxford.
- Mansfield, E. (1997), Microeconomics (9th Edition), W.W. Norton and Company, New York.

57 58

- Ray, N.C. (1975), An Introduction to Microeconomics, Macmillan Company of India Ltd., Delhi.
- Ryan, W.J.L. (1962), Price Theory, Macmillan and CO. Limited, London.
- Samuelson, P.A. and W.D. Nordhaus (1996), Economics, Tata McGraw Hill,

New Delhi.

- Stonier, A.W. and D.C. Hague (1972), A Textbook of Economic Theory, ELBS & Longman Group, London.
- Varian, H.R. (2000), Intermediate Microeconomics : A Modern Approach (5th Edition), East-West Press, New Delhi.

Paper-II INDIAN ECONOMIC THOUGHT

PAPER CODE:01 ABA110.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

In examination each paper will contain three parts A, B and C.

Part A All questions are compulsory. The answer of each question should not exceed 20 words. All questions carry equal marks.

Part B All questions are compulsory. The answer of each question should not exceed 50 words. All questions carry equal marks.

Part C The candidate should attempt 3 questions selecting one question from each unit. The answer should not exceed 400 words. All questions carry equal marks.

Unit I

Prominent ancient Indian economic thinkers and major source books (Only names and brief knowledge). Definition & scope of economics accordingly to Kautilya and Shukra. Basic assumptions - integral man, integrated rationality, dharma based economic structure and four purusarthas. Human wants - nature origin and kinds. The concept of restrained consumption & co-consumption. Meaning and importance of wealth & code of conduct for earning and spending.

Unit II

Economic ideas of Manu, Shukra and Kautilya in the field of consumption, production, exchange, distribution and public finance.

Economic thoughts of Swami Dayanand Saraswati, Dada Bhai Narauji, Mahadev Govind Ranade, Gopal Krishna Gokhle, R.C. Dutta.

Unit III

Economic ideas of M.N. Roy, and M.K. Gandhi and Vinoba Bhave. Major Economic thoughts of Dr. B.R. Ambedkar, J.L. Nehru. Ram Manohar Lohiya, Deen Dayal Upadhyaya, J.K. Mehta and Amratya Sen.

Book Recommended :

- . Gupta, B.L. (1942) : Value and Distribution System in Ancient India, Gian Publishing House, New Delhi.
- . Ganguli B.N. (1977) : Indian Economic Thought a 19th Century Perspective, Tata McGraw Hill New Delhi.
- . Kautilya (1951) : Arthshastra translated by R. Sharma shastry.
- . Kulkarni S.A. (1987) : Ekatma Arthniti Suruchi Prakashan, New Delhi.
- . M.G. Bokare : Hindu Economics, Janki Prakashan New Delhi.
- . Ramesh Dutt : Economic History of India. Vol. I & II.
- . D.R. Gadgil : The Industrial Evolution of India in Recent Times 1860-1030 (1971)
- . M.C. Vaish : Aarthik Vicharo Ka Itihas
- . Gandhi M.K (1974) , India of my dreams, Navjivan Publishing House, Ahmedabad.
- . Sen, A.K. (1987), On Ethics and Economics, Oxford, New York.
- . Sen, A.K. (1981), Poverty and Famines: an essay on entitlement and deprivation, oxford university press.
- . Sen A.K. (1971), Collective Choice and social welfare, North Holland, Amsterdam.

GEOGRAPHY

Scheme

I & II Papers Min.Pass Marks : 72

Practical(III)-Pass marks 40

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)
Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)
Paper-III- Practical 100 (50External&50 Internal)
(For each batch of 20 students)
Total Marks= 200+100 = 300,
Student will have to pass separately in theory and practical

PAPER - I : PHYSICAL BASIS OF GEOGRAPHY

PAPER CODE:01 ABA111.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note:-

1. Each theory paper is divided into three independent units. The question paper is divided into three parts, Part - A, Part - B and Part - C
2. Part-A is compulsory and contains 10 questions (20 words), at least three questions from each unit
3. Part-B is compulsory and contains five questions, at least one from each unit. Candidate is required to attempt all five questions
4. Part-C - contains six questions, two from each unit. Candidate is required to attempt three questions one from each unit. Each question is of (400 words).

Course Contents :

Unit - I

Universe: Galaxies and Solar System; Origin of the earth – Kant, Chamberlin and James Jeans; Shape and size of the Earth; Motions of the Earth and its Satellite; Physical and chemical state of the interior of the earth; Structure and Zones of the interior of the earth and Geological time scale. Wegener's theory of continental drift; Plate tectonics; Isostasy.

Unit - II

Theories of mountain building - Joly, Kober and Holmes; Earth movements; Diastrophic forces - Faults and folds; Sudden endogenetic forces; Earthquakes and Volcano. Rocks: Their types and characteristics; Weathering and soil formation; Concept of Cycle of Erosion - Davis and Penck; Landforms associated with Fluvial, Karst, Glacier, Aeolian and Coastal landscapes.

Unit - III

Composition and layers of atmosphere; Insolation and heat budget of the Earth; Temperature and Pressure; Atmospheric circulations - Planetary and local winds; Monsoon and Jet stream; Air masses and fronts; Temperate and tropical cyclones; Types and distribution of Precipitation; Koppen's and Thornthwaite's classification of world climate; Hydrological cycles. Relief features of Atlantic, Indian and Pacific Oceans; Distribution of temperature and salinity in oceans; Ocean currents and tides; Marine deposits; Coral reefs and Atolls - Types and their origin according to Darwin, Murray and Daly; Marine resources - biotic, mineral and energy resources and their utilization.

Suggested Books:

1. Strahler, A.H. : Elements of Physical Geography.
2. Wooldridge, S. W.: The Physical Basis of Geography, Logman's Green & Co. London 1959.
3. Mathur, I.R. : Climatology, Mc. Graw Hill, New York.
4. Banerjee, H.C. & D.S. : Mosam Vigyan, Rajasthan Hindi Granth Academy, Jaipur
5. Gerald, S. : General Oceanography- An Introduction, John Willey & Sons, New york.
6. Finch & Trewartha: Elements of Physical Geography.
7. Negi : Physical Geography.
8. Sharma, R.C. :Oceanography for Geographers, Chaitanya Publishers, Allahabad.

⁹ सविन्द्र सिंह :भौतिक भूगोल – वसुन्धरा प्रकाशन, गोरखपुर (उ.प्र.)

¹⁰ भावना माथुर :भौतिक भूगोल – कल्याणी प्रकाशन

11. वी.एस. चौहान एवं अलका गौतम : भौतिक भूगोल – रस्तोगी प्रकाशन, मेरठ
12. डॉ. एल.एन. उपाध्याय : भौतिक भूगोल – राज. हिन्दी ग्रन्थ अकादमी, जयपुर।
13. डॉ.एच.एस.शर्मा, डॉ. एम.एल.शर्मा व अन्य : भौतिक भूगोल – पंचशील प्रकाशन, जयपुर।
14. डॉ. आर.के. गुर्जर एवं डॉ. बी.सी.जाट : भौतिक भूगोल, पंचशील प्रकाशन, जयपुर।

PAPER - II : GEOGRAPHY OF RAJASTHAN

PAPER CODE:01 ABA111.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note:- Each theory paper is divided into three independent units. The question paper is divided into three parts, Part - A, Part - B and Part - C

2. Part-A- is compulsory and contains 10 questions (20 words), at least three questions from each unit.
3. Part-B- is compulsory and contains five questions, at least one from each unit. Candidate is required to attempt all five questions.
4. Part-C - contains six questions, two from each unit. Candidate is required to attempt three questions one from each unit. Each question is of (400 words).

Course Content :

Unit - I

Rajasthan : Location; Physiographic Regions; Geological structure; Climate and Climatic regions; Drainage system and lakes; Soil types and regions, erosion and conservation; Vegetation - types and distribution.

Land utilization in Rajasthan: Agriculture - types and characteristics, production and distribution of food and commercial crops; Cropping pattern and Agroclimatic zones; Importance and sources of irrigation; Major irrigation projects - Chambal, Mahi and Indira Gandhi Canal Project (I.G.C.P.); Live Stock products and Dairy development programmes; Biodiversity and Wildlife; Wasteland and desert development programmes.

Unit - II

Distribution and production of minerals - Metallic and Non-metallic; Power Resources - Coal, Petroleum and Natural Gas; Power Resources as electricity - Hydro based and non-conventional; Industrial Development : Classification of industries; Development, distribution, production and locational analysis of cotton textile, cement and stone industries; Cultural heritage and Tourism industry. Population : Distribution and density; Population structure - age and sex ratio, urban and rural, literacy and occupational population; Population growth since independence, causes, problems and solutions. Social and Cultural status of major tribes - Bhil, Garassia, Meena, Saharia.

Unit - III

Means of transportation – roads, railway network and airways.

Detailed study of Marusthal, Aravalli, Hadoti and Eastern Plain regions with following heads: Physical environment, social and cultural environment and economic development.

Concept of Human Development - Major indicators, H.D.I. (Human Development Index) of Rajasthan in reference to other states of India.

Status of Women in Rajasthan - changing aspects of demographic, social economic, health and nutrition.

Suggested Books :

- 1^o चौहान, टी.एस., राजस्थान का भूगोल, विज्ञान प्रकाशन, जोधपुर।
- 2^o भल्ला, एल.आर., राजस्थान का भूगोल, कुलदीप प्रकाशन, अजमेर।
- 3^o एच.एम.सक्सेना, राजस्थान का भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी, जयपुर।
- 4^o दिनेश चन्द शर्मा व पुष्पा शर्मा, राजस्थान आज तक।
- 5^o एच.एस. शर्मा, राजस्थान का भूगोल, पंचशील प्रकाशन, जयपुर।
- 6^o डपौतंण टण्णरु ळमवहतंचील व त्तिंजीदए छण्टण्ण व्मसीपण
- 7^o त्तंण ळ्मण - त्तंण डण्णरु ळमवहतंचीपवंस थंबजे व त्तिंजीद

GEOGRAPHY PRACTICAL

PAPER CODE:01 ABA111.3

Maximum marks=100

External =50

Internal =50

Practical - 4 periods of one hour per week per batch of 20 students.

1. Lab work (Written paper - 3 hours duration)

(4 problems out of 5 problems) 20

2. Record work and viva-voce (2 hour) 10+5 15

3. Field Survey and Viva-voce (3 hours) 10+5 15

Total 50

Note: Minimum 30 sheets must be prepared by students and checked & signed by teacher with date, otherwise students will be responsible. Students must write his/her name on every sheet. The teacher should give fresh exercise every year, so that the students may not undertake tracing of old exercise.

Contents:

1. The nature and scope of cartography. Scales - Plain, diagonal, comparative and Time Scale.

2. Enlargement, reduction and combination of maps - Square, Similar Triangle and Pantograph. Measurement of distance and computation of Area on maps.

3. Methods of representation of relief - Hachures, Hill Shading, Layer tint, Contours etc. Relief features, types of slopes, valleys, waterfall, Gorge, meanders, plateaux, conical hill, Ridge, Saddle and Pass to be drawn, with the help of contours shown in topographical sheets of different physiographic regions, profile Drawing.

4. Study of Topographical sheets - Scheme of Indian toposheets.

Interpretation of a hilly and a plain area of India in respect of relief, drainage, Human settlement, Transport and Communication Pattern.

5. Chain and Tape survey – Importance, Appliances, Methods and Plotting.

Books Recommended :

1. Singh R.L. : Elements of Practical Geography, Kalyani Publishers, New Delhi.

2. Monk House, F.J. and Wilkinson, H.R. : Map and Diagrams, Methuen, London 1994.

3. Robinson, A.H. : Elements of Cartography, John Willey & Sons, New York.

4. Mishra, RP. : Fundamental of Cartography, Macmillon, New Delhi.

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5. Kellaway, Georgep : Map Projections, Mathuen & Co., London.

6. Steers, J.K. : Map Projections, University of London Press, London.

7^o जे.पी.शर्मा : प्रायोगिक भूगोल, रस्तोगी प्रकाशन, मेरठ।

8^o एम.एस.जैन, : प्रायोगिक भूगोल, साहित्य भवन, आगरा।

HOME SCIENCE

Scheme

I & II Papers Min.Pass Marks : 72

Practical(III)-Pass marks 40

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-III- Practical 100 (50External&50 Internal)

(For each batch of 20 students)

Total Marks= 200+100 = 300,

Student will have to pass separately in theory and practical

Paper I : Human Physiology

PAPER CODE:01 ABA112.1
Maximum marks=100
External =70
Internal =30
(Mid term15,Assignment-15)

Note : Each theory paper is divided in to three parts Parts – A, Parts – B and Part – C.
Parts – A :- is compulsory and contain 10 questions (20 words each) at least 3 questions from each unit,
Part – B :- is compulsory and contains 5 questions (50 words each) at least one question from each unit, Part – C
contains 6 questions two from each unit.
Candidate is required to attempt 3 question one from each unit. Each question is to be answered in 400 words).

UNIT - I

1. Structure and functions of a cell. Tissues of the body-
General characteristics and functions.
2. Blood : Composition and function.
Clotting of blood : Blood groups.
3. Heart : Structure and functions.
Blood pressure and Pulse rate.
4. **Skeletal system : Structure of Bone.**
Functions of bone, Joints - Classification of joints, structure of synovial joints.

UNIT – II

5. **Respiratory system** : Structure and functions of all
Respiratory organs. Mechanism of breathing - External and Tissue
Respirations.
6. Digestive system : Structure and functions of all digestive organs. Mechanism
of digestion and absorption of proteins, fate and carbohydrates.
7. excretory system; structure and functionsni of all excretory ograns.
composition of urine. skin structure andfunctions.
8. Nervous System: The central nervous system-brain & Spinal cord. Peripheral
nervous system; Type of nerves Autonomic nervous system-Sympathetic
and Para-sympathetic nervous system. Reflex arc.

UNIT – III

9. The Endocrine system : Name of ductless glands of the body. Hormones and
their role .Effect of over and under activity of hormones.
10. Reproductive System ; Structure and function of male and female organs
spermatogenesis, ogenesis & fertilization.
11. Sense organs ; Eye – Structure and function , Ear-Structure and functions,
Tongue-(With digestive system), Nose –(With respirartory system), Skin –
(With excretory system).

References:

1. Pearce, Evelyn- Anatomy and Physiology for Nurse- Oxford University Press,
new Delhi.
2. Sears, Gorden – Anatomy and Physiology for Nurses- Orient Longman Ltd.,
New Delhi.
3. Taylor- The living Body, Asia Publishing House.
4. Ross & Smith-Anatomy & Physiology for nurses.

PAPER II-Textile and Laundry.

PAPER CODE:01 ABA112.2
Maximum marks=100
External =70
Internal =30
(Mid term15,Assignment-15)

Note : Each theory paper is divided in to three parts Parts – A, Parts – B and Part – C.
Parts – A :- is compulsory and contain 10 questions (20 words each) at least 3 questions from each unit,
Part – B :- is compulsory and contains 5 questions (50 words each) at least one question from each unit, Part – C
contains 6 questions two from each unit.
Candidate is required to attempt 3 question one from each unit. Each question is to be answered in 400 words).

UNIT 1

I. Textile Fibres:

- (a) Classification of Textile Fibres.

(b) General properties of Textile Fibres.

2. Natural Fibers – Origin, manufacture, properties their importance to consumer and storage of Cotton, Linen, Silk Wool.

3. Man-made fibres: Properties, their importance to consumer and storage of Rayon, Nylon, Polyester, Orlon.

Construction of Yarn and Fabric :

4. Meaning of – Weaving, Knitting, Felting, Warp, Weft selvedge, and count of cloth

5. Yarn construction –

(a) Different methods of spinning (b) Different types of yarns.

6. Weaving –

(a) Loom and its parts.

(b) Different types of weaving – plain, Twill, Satin and Satten, Pile and Jacquard.

UNIT II

7. Finishing – Meaning

(a) Objective of Finishing

(b) Different methods of finishing : Bleaching, sizing, tentering, mercerising, sizing, tentering, mercerising, calendaring, embossing, napping, shrinkage control, water proofing, fire resistant, moth proofing and permanent press.

8. Dyeing

(i) Different types of dyes

(ii) Different types of dyeing process

(iii) Method of dyeing

9. Printing : Different methods of printing : Block, Screen Roller, Resist Discharge and Stencil Elementary Knowledge Of traditional weaving

UNIT III

10. Selection of fabric for various uses in the Home, Garments (for children, women and men),

Household linen, furnishing : bed sheets, curtains ,carpets, towels etc. by keeping in view the following factors : Climate, Comfort, utility, occasion, personality, budget, fibre weave, finish, colour and design activity, age & sex.

11. embroideries of India – Brocades, Kashmiri Embroideries, Phulkari of Punjab.

Kantha of Bengal, Patola of Gujarat, Chickankari of U.P. Ikat of Orissa and Pochampalli.

12. Laundry-

(1) Laundry principles and methods

(2) Laundry equipment – Washing drying

(3) Water – soft and hard water, methods of making water soft for Laundry purpose

(4) (a) Soap – manufacturing process of soap qualities of good soap

(b) Detergents- Importance and use

(c) Other agents used for washing.

(5) Stiffening agent – Types and uses

Bleaches – types and uses

Grease solvents and absorbents, Softeners

(6) Stain removal – Meaning, classification and methods of removal

References :

1. Dantyaagi, Sushila : fundamentals of textiles and their care Orient Longmans, Bombay.

2. Daulkar. Durga :A guide to household textile and laundry work. Atma Ram & Sons, New Delhi.

1. Isadel B. Wingtate : Textile fibres and their selection Prentice Hall Inc. Englewood, Cliffs, N. Jersey

2. Hess, Katharine : Textile fibres and their uses – Oxford & IBH Publishing house, New Delhi.

3. Mathews, Mary : Practical clothing Construction – Part I cosmic Press,

Practical Textile and Laundry

PAPER CODE:01 ABA112.3

Maximum marks=100

External =50

Internal =50

Section A – Textiles and Laundry

a. Identifying the following Fibres- Cotton, silk, Wool, polyester

b – collecting samples of various types of weaves.

c – Dyeing and Printing (only Samples)

i. – Tie & Dye ii. Block Printing

Section B – Needlecraft and Construction

1. a - Equipment used for stitching and measurement.

b -Taking of body Measurements

c – Importance of drafting and making paper pattern

d – Calculation of material

e – Perpartion of fabric before cutting

2. Drafting, Cutting and stitching of

i. Children – basic bodice block – Saree Blouse and adoption to Romper, party frock, A Line frock

ii. Ladies - Basic bodice block – Saree Blouse and Petticoat/Shalwar and Kameez (any one combination)

iii. Men's – Plain Payjama and Simple Kurta

3. Making Samples of – traditional Embroidery – Kantha, Phulkari, Chicken Bari, Kashidery (any two)

4. Making samples of embroidery stitches at least eight.

5. Knitting patterns only samples (6)

Marks Distribution for External practical

Time 4 hrs Max Marks 50 Min. Marks 18

Sessional and File 5+5

Section A

Fibre Identification(1) 5

Sample of tie & Dye/Batik/Block 5

Section B

Drafting and Cutting of fabric 5

Stitching of garment 10

(Only half side dy showing all the processes)

Embroidery Sample 10

(Traditional/decorator)

Viva and Exhibition 5

SOCIOLOGY

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper – I : PRINCIPALES OF SOCIOLOGY

PAPER CODE:01 ABA113.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note : Each theory paper is divided in to three parts Parts – A, Parts – B and Part – C.

Parts – A :- is compulsory and contain 10 questions (20 words each) at least 3 questions from each unit,

Part – B :- is compulsory and contains 5 questions (50 words each) at least one question from each unit, Part – C contains 6 questions two from each unit.

Candidate is required to attempt 3 question one from each unit. Each question is to be answered in 400 words).

Unit - I

The Nature of Sociology: The meaning of Sociology – The Sociological perspective,

The Scientific and Humanistic orientations in sociological study.

The uses of Sociology, Introduction to Applied Sociology.

Unit - II

Basic concepts: Culture, Society, Community, Institution, Association, Social Structure, Group, Status and role. Socialization - Meaning and Theory – Relation between individual and society.

Social Stratification and mobility : meaning and forms

Unit - III

Social Control : Norms/Values, Types and agency.

Social Change : meaning and type : Factors of Social change. Theories of Ogburn, Sorokin and Karl Marx.

Social Problem-Sociology & Social Change.

Essential Readings :

Berger, Peter. L, 1963. Invitation to Sociology : A Humanistic perspective Penguin Harmundsworth.

Choudhary Mattaray 2003, The practice of Sociology, Orient Longman, New Delhi.

Dubey, S.C. 1977. Understanding Society : Sociology : The disciplines and its significances, Part I, NCERT, New Delhi.

Jairam N., 1987 : Introductory Sociology, MacMilan India Limited, Delhi.

Bottomre, T.B. 1972. Sociology: A guide to problems and literature Bombay: George Allen and Unwin (India)

Harlampos, M. 1998. Sociology: Themes and perspective. New Delhi: Oxford University Press.

Johnson, H.M.: Sociology – A Systematic Introduction. New Delhi: Allied Publication.

Davis, Kingsley: Human Society. (Hindi Edition)

Maclver and Page: Society (Hindi Edition)

Schaefer, Richard T. and Robert P. Lamm. 1999. Sociology, New Delhi: Tata-McGraw Hill.

Singhi & Goswami : Samaj Shashtra Vivechan, Rajasthan Hindi Granth Adademy.

Paper – II Indian Society

PAPER CODE:01 ABA113.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note : Each theory paper is divided in to three parts Parts – A, Parts – B and Part – C.

Parts – A :- is compulsory and contain 10 questions (20 words each) at least 3 questions from each unit,

Part – B :- is compulsory and contains 5 questions (50 words each) at least one question from each unit, Part – C contains 6 questions two from each unit.

Candidate is required to attempt 3 question one from each unit. Each question is to be answered in 400 words).

Unit - I

Concepts of Varna, Ashram, Dharma, Karma and Pursharth.

Cultural and ethnic diversity : Historically embedded diversities in respect of Language and Religious beliefs.

Unit - II

The structure and compositions of Indian Society : Rural, Urban, Tribe, Rural-Urban Linkages, weaker section, dalits women and minorities.

Basic Institutions of Indian Society: Kinship, Family, Marriage, Religion,

Unit - III

Caste and Class; meaning, features and Changing dimensions

Processes of social change : Sanskritization, Westernization and Globalization

Planned Change and transformation in India.

Essential Readings :

Giddens, Anthony 2001 : Sociology 4th edition, Pality Press, Cambrige.

Desh Pandey, Satish 2003 : Contemporary India : A Sociological View, Wiking Publication, New Delhi.

Bose, N.K. 1967: culture and Society in India, Bombay : Asia Publishing House

Bose, N.K. 1975: Structure of Hindu Society, New Delhi

Dube, S.C. 1990: Society in India (New Delhi : National Book Trust)

Dube, S.C. 1995: Indian Village (London : Routledge and Kegan Paul)

Dube, S.C. 1958: India Changing Villages (London : Routledge and Kegan Paul)

Karve, Irawati, 1961 : Hindu Society: An Interpretation. Poona: Deccan Collage.

Mandelbaum, D.G. 1971 : Society in India. Bombay: Popular Prakashan.
Srinivas, M.N. 1980: India: Social Structure. New Delhi: Hindustan Publishing Corporation.
Srinivas, M.N. 1963: Social Change in Modern India. California, Berkeley: University of California Press.
Singh, Yogendra, 1973: Modernization of Indian Tradition. Delhi: Thomson Press
Uberoi, Patricas, 1993. Family, Kinship and Marriage in India. New Delhi: Oxford University Press.
Gupta, M.L. : Samajik Sansthayen, Rajasthan Hindi Granth Academy.

B.A.PART-I (MATHEMATICS)

Three Papers Min.Pass Marks : 108

Max.Marks : 300

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

PAPER I – ALGEBRA AND MATRICES

PAPER CODE:01 ABA114.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

UNIT - I

Hermitian and skew Hermitian matrices. Elementary Operations on matrices. Inverse of a matrix. Linear independence of row and column matrices. Row rank, column rank and rank of a matrix. Equivalence of column and row ranks.

UNIT – II

Eigen values, Eigen vectors and the characteristic equation of a matrix. Cayley- Hamilton theorem and its use in finding inverse of a matrix. Applications of matrices to solve a system of linear (both homogeneous and non homogeneous) equations. Theorems on consistency of a system of linear equations.

UNIT – III

Relation between the roots and coefficients of general polynomial equation in one variable, Transformation of equations. Descarte's rule of signs. Solution of Cubic equations (Cardon method), Bi-quadratic equations.

UNIT - IV

Definition of a group with examples. Order of a finite group. General properties of groups. Integral powers of an element of a group. Order of an element of a group. Subgroups. Generation of groups. Cyclic groups, Coset Decomposition, Lagrange's theorem and its consequences, Fermats and Euler's theorems.

UNIT - V

Normal subgroups and Quotient groups. Permutation, Permutation groups, Cyclic permutations, Even and odd permutations. The alternating group A_n , Cayley's theorem. Morphism of Groups, Homomorphism and Isomorphism, The fundamental theorem of homomorphism.

PAPER II – CALCULUS

PAPER CODE:01 ABA114.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

UNIT - I

Derivative of the length of an arc, Curvature, various formulae, Centre of curvature, Chord of curvature and related problems, Asymptotes. Concavity and convexity. Singular point, Double point. Curve tracing (in cartesian and polar co-ordinates.)

UNIT – II

Quadrature, Rectification, Intrinsic equation, Volume and Surfaces of solids of revolution.

UNIT - III

Concept and formation of a Differential Equation, Order and Degree of a Differential equation, Equations of first order and first degree, Equation in which the variables are separable, Linear differential equations, Bernoulli's equation,

UNIT - IV

Homogeneous equations, Linear equations and Equations reducible to the linear form. Exact differential equations, Differential equations of first order and higher degree,;

UNIT -V

Linear differential equations with constant coefficients, Ordinary homogeneous linear differential equations.

PAPER - III VECTOR CALCULUS AND GEOMETRY

PAPER CODE:01 ABA114.3

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

UNIT - I (Vector Calculus)

Vector differentiation , Gradient, Divergence and Curl . Identities involving these operators and related problems. Vector Integration, Line and surface integral, Theorems of Gauss, Green's and Stoke's (Statements and verification only) and problems based on these theorems.

UNIT - II (Geometry)

General equation of second degree. Tracing of conics, Centre of a conic, Co-ordinates of the centre. Equation of the conic referred to centre as origin,Asymptotes of a conic. Lengths and position of axes of a standard conic. Eccentricity , Foci, Directrices, Axis, Latus rectum of a conic,Vertex and focus of the parabola, Tracing of Ellipse and Hyperbola. The polar equation of a conic : Polar co-ordinates , Polar equation of a straight line , circle and conic.Focal chord,.

UNIT - III

Sphere, Plane section of a sphere, Tangent plane, Pole and Polar Plane, Orthogonal spheres, Radical plane, Radical Centre,

UNIT - IV

Cone, Reciprocal cone, Right circular cone, Enveloping cone, Cylinder Right circular cylinder, Enveloping cylinder. Central conicoids: Ellipsoid, Tangent plane, Polar, Polar lines, Enveloping cone, Enveloping cylinder, Section with a given centre, Normals, Conjugate diameters and Diametral planes and their properties.

UNIT - V

General equation of second degree in three dimensions.Intersection of a line and a conicoid.Tangent lines and tangent plane. Condition of tangency. Plane section with a given centre. Diametral plane.Principal planes and Principal directions. Paraboloids, Plane sections of central conicoids, Umbilics.

PUBLIC ADMINISTRATION

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

PAPER - I : ELEMENTS OF PUBLIC ADMINISTRATION

PAPER CODE:01 ABA115.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words)., Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

Unit – I

Meaning, Nature and Scope of Public Administration, Importance of Public Administration in Modern Society, Public and Private Administration. Evolution of the study of Public Administration.

Public Administration as a Social Science, Its relationship with other Social Sciences

: Political Science, Economics, Sociology, Law, Psychology and Management.

Approaches to the study of Public Administration : Classical and Humanistic.

Unit II

Principles of Organisation : Hierarchy, Unity of Command, Span of Control, Coordination, Centralisation, Decentralisation, Authority and Responsibility.

Structure of Organisation : Formal and Informal Organisation, Chief Executive, Line and Staff, Supervision, Delegation, Leadership, Communication, Decision-Making, Morale and Motivation.

UNIT III

Personnel Administration : Meaning and Nature of Bureaucracy. Civil Services and their role in a developing society. Classification, Recruitment, Training, Promotion, Disciplinary Action.

Books Recommended :

1. L. D. White : Introduction to the Study of Public Administration
2. John Pfiffner and : Public Administration. Robert Presthus
3. Dimock & Dimock : Public Administration
4. Terry : Principles of Management
5. Fred Luthans : Organisational Behaviour
6. E. N. Gladden : Essentials of Public Administration
7. M. P. Sharma : Principles & Practices of Public Administration
8. D. R. Sachdeva & : Public Administration : Meena Sogani Concepts and Application
9. A. Awasthi & S. R. : Public Administration Maheshwari
10. C. P. Bhambhari : Public Administration
11. A. R. Tyagi : Public Administration
12. Vishnoo Bhagwan : Lok Prashashan (in Hindi) & Vidya Bhushan
13. Awasthi & Maheshwari : Lok Prashashan (in Hindi)
14. C. P. Bhambhari : Lok Prashashan (in Hindi)
15. B. L. Fadia : Lok Prashashan (in Hindi)
16. Harishchandra Sharma : Lok Prashashan ke Adhar (in Hindi)
17. Surendra Kataria : Lok Prashashan Ke Tatva (Hindi)
18. Ravindra Sharma : Lok Prashashan Ke Tatva (Hindi)
19. P. D. Sharma : Lok Prashashan : Siddhant evam Vyavhar (Hindi)
20. S.C . Shinal : Elements of Public Administration (Hindi/English)
21. Awasthi & Awasthi : Administrative Theory (Hindi/English)
22. R.K. Dubey : Adhunik Lok Prashashan (Hindi)
23. Runki Basu : Public Administration concept & Theories (Hindi/English)
24. H. N. Agarwal : Modern Public Administration (Hindi)
25. M.P. Sharma,B.L.Sadana : Public Administration Theories & Practice (Hindi/English)

PAPER - II - PUBLIC ADMINISTRATION IN INDIA

PAPER CODE:01 ABA115.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words)., Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

UNIT I

Historical background of Indian Administration : Ancient, Medieval and Government of India Act 1909, 1919 and 1935; Legacies of British Administration, Salient features of Indian Administration since Independence.

The Union Executive: President, Prime Minister and Council of Ministers. The Organisation and working of the Central Secretariat, Cabinet Secretariat, Prime

Minister's office, Ministry of Home, Finance and Ministry of Personnel, Pension and Public Grievances.

UNITII

Major Forms of Public Enterprises in India: Department, Corporation, Companies. Parliamentary Committee on Public Undertakings, Control Over Administration : Legislative, Executive and Judicial. Financial Administration : Budget Formulation, Budget Approval in Parliament and Budget Execution, Comptroller and Auditor General, Parliamentary Committees, Public Accounts and Estimates Committee.

UNITIII

Personnel Administration - Features of Indian Civil Service, Classification, Recruitment and Training of All India Services. Problems of Indian Administration. Corruption and Removal of Public Grievances, Administrative Reforms in India, ARC Report on Central Administration and State Administration.

Books Recommended :

1. S. R. Maheshwari : Indian Administration
2. C. P. Bhambhari : Public Administration in India
3. P. D.Sharma : Public Administration in India
4. D. D. Basu : An Introduction to the Constitution of India
5. K. V. Rao : Parliamentary Democracy in India
6. Laxmi Narain : Principles and Practice of Public Enterprises Management
7. B. B. Mishra : Administrative History of India
8. Ramesh Arora & Rajni Goyal : Indian Public Administration
9. Surendra Kataria : Personnel Administration (Hindi)
10. P. D. Sharma & B. M. Shrama : Bhartiya Prashashan (in Hindi)
11. Saroj Chopra : Bharat Main Lok Prashashan (Hindi)
12. R. S. Darda : Bharat Main Lok Prashashan (Hindi)
13. B. L. Fadia : Bharat Main Lok Prashashan (Hindi)
14. Ravindra Sharma : Bharat Main Lok Prashashan (Hindi)
15. Awasthi & Awasthi : Bhartiya Prashashan (in Hindi)
16. Suranadra Kataria : Bharat Main Lok Prashashan (Hindi)

PSYCHOLOGY

Scheme

I & II Papers Min.Pass Marks : 72

Practical(III)-Pass marks 40

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-III- Practical 100 (50External&50 Internal)

(For each batch of 20 students)

Total Marks= 200+100 = 300,

Student will have to pass separately in theory and practical

PAPER – I (Basic Psychological Processes)

PAPER CODE:01 ABA116.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

General Instructions:

Each paper will contain three parts – A,B,C. Candidates are required to attempt all questions from part A & B. The word limit for part A is 20 and for part B is 50. For part C candidates are required to attempt one question from each unit, the word limit being 400.

Unit – I

Definition, Nature and Scope of Psychology, Approaches of psychology Biological, Psychological, Psychodynamic, Behavioural, Cognitive, Humanistic and Evolutionary approach, Social cultural and Multi cultural perspective, Application and fields of psychology, Methods of psychology – Experimental, Observation, Interview, Questionnaire, Case Study, Survey, Meta analysis. Human evolution, Genes and behaviour, Nervous System – Central, Peripheral, Autonomic, Somatic and Limbic nervous system, Bio feedback, Endocrine glands and Hormones and their effects on behaviour,. Sensory – Perceptual processes. Eye and Ear, their structure and functions, Theories of hearing and vision, colour blindness,

Unit II

Attention and Perception – Selectivity of attention, Resource allocation and atomicity, Determinates of attention and perception, Organizing Principles of perception, Form and Depth perception. Concept formation, Problem solving, Creativity, Inductive and Deductive Reasoning.

Basic processes of classical and operant conditioning, Acquisition, Extinction, Spontaneous recovery, generalization and discrimination. Trial and error method of learning, Laws and Curves of learning, Transfer of training, Cognitive learning, Observational learning, Motivation and learning. Verbal learning and memory - Encoding, Storage and Retrieval processes Short term and Long term Memory, Mnemonic Methods of retention, Causes of forgetting – Decay, Interference, Retrieval failure, Motivated forgetting and Amnesia.

Unit – III:

Indicators of motivated behaviour, Nature and classification of motives – biogenic and psycho-socio genic motives, Internsic and Extrinsic motivation, Conflict and Frustration.

Techniques of assessment of motivation, Maslow’s need hierarchy and other theories of motivation. Emotion – Nature and Development of emotion, Expression and Control of emotions. Theories of emotion, Culture and emotion, Polygraphic technique.

Intelligence – Nature, Measurement and theories of intelligence Genetic/Biological and environmental influences, Cross-cultural issues in intelligence.

Personality – Meaning and Nature, Trait and Type theories and psycho-analytical theory by Freud, Biological and Socio-cultural determinants and Assessment of personality.

Note: Classroom discussion could be held on the Indian perspective on certain relevant topics

Readings :

Baron, R.A. (1995). Psychology: The essential science. New York: Allyn & Bacon
Zimbardo, P.G., & Weber, A.L. (1997). Psychology. New York: Harper Collins College Publishers.

Lefton, L.A. (1985). Psychology. Boston: Allyn & Baron

PAPER – II (SOCIAL PSYCHOLOGY)

PAPER CODE:01 ABA116.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note-Each paper will contain three parts – A,B,C. Candidates are required to attempt all questions from part A & B. The word limit for part A is 20 and for part B is 50. For part C candidates are required to attempt one question from each unit, the word limit being 400.

Unit – I

Nature, Goals, Scope of social psychology; social psychology and its relation with other sciences, Methods of social psychology – Experimental, Non-experimental methods, Correlational approach & Cross cultural researches Perceiving ourselves - Self concept, Self esteem, Self presentation, and Self expression. Perceiving others – Forming impressions, Verbal and Non-verbal cues, Prejudices-nature and components , acquisition and reduction of prejudices. Stereotypes, and Central traits, Models of information integration, Primacy & Recency effects, Attribution of causality – Theories and Biases, Interpersonal

attractions and its determinants.

Unit – II

Group structure and Functions, Task performance, Social facilitation and Loafing, De-individuation and Conformity, Obedience and Social modelling. Norms and Decision making. Leadership – Definition, Types and Functions. Trait, Situational and Inter-actional approaches to leadership, Leadership effectiveness.

Communication – Model, Types (network & channels), language and social interaction, and Barriers of communication.

Nature and Functions of attitude, Measurement of attitudes, Attitude and behaviour, Theories of reasoned and planned behaviour, Formation and Change of attitude (Balance and cognitive dissonance theories). Pro-social behaviour – Theoretical explanation, Co-operation and Helping behaviour, Personal Situational and Socio-cultural determinants bystander effects.

Unit III

Aggression – Theoretical perspective, Trait, Situational and Social learning approaches, Personal and social determinants of aggression, Control and Prevention of aggression.

Psychological factors in population, Factors in birth control, Health behaviours – Illness prevention and Treatment, Health promotion, Meeting the challenges of health of women and children. Environmental issues – Atmospheric conditions, Noise and Pollution, Personal space and Territoriality. Density and Crowding, Influence of environmental conditions on behaviour, Intervention for environment management.

Note: Classroom discussion could be held on the Indian perspective on certain relevant topics

Readings :

Alcock, J.E., Carment, D.W. Sadava, S.W., Collins, J.E., & Green, J.M. (1997). A textbook of social psychology.

Scarborough, Ontario: Prentice Hall/Allyn & Bacon.

Baron, R.A., & Byrne, D. (1998). Social psychology. New Delhi: Prentice Hall

Feldman, R.S. (1985). Social psychology: Theories, research and application. New York: McGraw Hill.

Myers, David, G. (1994). Exploring social psychology. New York: McGraw Hill

Semin, G.R., & Fiedler, K. (Eds.) (1996). Applied social psychology. London: Sage.

PSYCHOLOGY -PRACTICALS

PAPER CODE:01 ABA116.3

Maximum marks=100

External =50

Internal =50

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Practicals

1. Replication of various psychological phenomena

- a. Learning curve
- b. Curve of forgetting
- c. Chunking
- d. Serial position effect
- e. Level of aspiration (individual differences)

2. Development of Observation skills

- a. Observing TV programme for some themes (eg image of child/woman)
- b. Observing behaviour of people in different settings (family relationships, religious belief, coping with stressors like death, accident etc.)

3. Facilitating understanding of self and others

- a. Maintenance of diary
- b. Describing personal experiences
- c. Use of psychological tools to learn about themselves (eg- Johari window, SWOT Analysis, Psychological tests).
- d. Yoga, Meditation & other techniques of stress management.

4. Familiarization with and use of psychological instruments (Administration and interpretation of any two tests.)

- a. Psychometric tests
- b. Projective tests
- c. Verbal tests
- d. Performance tests

5. Workshops on communication skills.

- a. Oral / Written communication. b. Presentation and Listening.
c. Use of audio-visual aids. d. Feedback to the students
Note : Shall continue in second and third year.

BA (Environmental Sc.)

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

01ABA117.1

INTRODUCTION TO ENVIRONMENTAL SCIENCES

PAPER CODE:01 ABA117.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words)., Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

Preamble: This paper introduces the students, coming from disparate backgrounds, to the basics of Environmental Science. Major themes and issues confronting our present day environment are introduced in this paper from a scientific perspective. Each theme in the paper is listed in separate paragraphs.

Introduction to the Environment. Acquisition, transformation and utilization of energy: the geochemical, biogeochemical and hydrological cycles. Concept of ecosystem.

Atmosphere: structure and composition. Air pollutants and their emission sources. Aerosols and Smogs. Air quality standards. Tropospheric ozone. Air pollution in Indian cities.

Water: quantity and quality. Parameters and standards; Demands. Rain water chemistry. Surface and subsurface waters in India. Environmental hotspots related to water in India.

Soil and Land use: climate and soil profile, petrography and mineral matters in soil. Soil classification. Soil distribution in India. Land use in India. Impact of soil loss and land cover on biogeochemical cycle.

Biodiversity. Problems and issues in biodiversity and forestry. Conservation and utilization of biodiversity.

Global warming and climate change. Recent records of climate change. Impact of climate change on Indian environment. Measures to cope with climate change.

Mineral and energy resources. Impact of mining and other human activities on the environment.

Environmental impact assessment and environmental audit: an introduction. Environmental policy matters and law.

Suggested readings:

Anjaneyulu. Y, 2004, Introduction to Environmental Science. B. S. Publications.

D. Daniel Chiras, 2001, Environmental Science, 6th Ed., Jones and Bartlett Publishers.

Mukherji Shormila, 2004, Fragile environment, Manak Publication Pvt. Ltd.

01ABA117.2

SOCIAL PERSPECTIVES ON ENVIRONMENT

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part A is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words)., Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

PAPER CODE:01 ABA117.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Preamble: This paper introduces students to social thought on environmental issues, from a historical and contemporary perspective. Students are introduced to critical issues in environmental studies, both in an Indian and global perspective.

Introduction to environmental thought.

Traditions of thinking about environment from deep ecology to modernization, reflections on industrial societies and risk. Indian and global thinkers are discussed.

Early issues in Indian environmentalism: land, forest and water.

Looks at historical developments in key areas such as land management, forestry and water management in colonial India, both from the perspective of the state and of communities.

Differences across various regions in India are explored.

Environmental politics in contemporary India.

Introduces a range of policy initiatives and popular struggles around contemporary environmental issues such as, forests, wildlife, water, traditional knowledge and environmental resources and pollution.

Issues in global environmentalism.

Explores significant global environmental issues such as acid rain, climate change etc., examining both the nature of the issues and instruments of international environmental negotiations.

Urbanization and environment.

The process of urbanization is explored with respect of consumption of resources; environmental consequences of urban transformation, waste disposal and pollution.

Environment, technology and society.

Examines the interface between specific technologies, including electrification, transport technologies, energy generation etc. and rural/urban environments.

Population and resources. Explores the historically evolving relationship between population pressures, resource consumption and sustainability. Tragedy of commons Indian and global debates are introduced. Risk and ecological modernization. The nature of environmental risk that emerges in the wake of modernity and the responses to the same in select national contexts are introduced.

Regulations and environment.

Deals with law and policies to regulate environmental harm in select national contexts.

Communicating environment.

Introduces the media and educational dimensions of environmental awareness in contemporary societies.

Suggested readings:

Grove Richard, 1997, Ecology, climate and empire. Colonialism and Global Environmental History, 1400-1900. Cambridge, White House.

Guha Ramchandra, 1989, Ecological change and peasant resistance in the Himalaya. Unquiet Woods. Oxford University Press, Delhi.

Harrison Mark, 1999, Climates and Constitutions. Health, Race, Environment and British imperialism in India, 1600-1850. O.U.P., Delhi.

K.B. Chokkan, Pandya, H and Raghunathan, H (Eds), 2004, Understanding Environment. Sagar publication India Pvt. Ltd., New Delhi, London

BA (Geology)

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

01ABA118.1

INTRODUCTION OF EARTH SYSTEM SCIENCE

PAPER CODE:01 ABA118.1

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words)., Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

A Holistic understanding of our dynamic planet through Astronomy, Geology, Meteorology and Oceanography. Introduction to various branches of Earth Sciences. General characteristics and origin of the Universe, Solar System and its planets. The terrestrial and Jovian planets. Meteorites and Asteroids. Earth in the Solar system, origin, size, shape, mass, density, rotational and revolution parameters and its age.

Earth's magnetic field, formation of core, mantle, crust, hydrosphere, atmosphere and biosphere. Convection in Earth's core and production of its magnetic field. Mechanical layering of the Earth.

Concept of plate tectonics; sea-floor spreading and continental drift.

Geodynamic elements of Earth: Mid Oceanic Ridges, trenches, transform faults and island arcs. Origin of oceans, continents, mountains and rift valleys. Earthquake and earthquake belts. Volcanoes: types products and distribution.

Oceanic current system and effect of coriolis forces. Concepts of eustasy, land-air-sea interaction; wave erosion and beach processes. Atmospheric circulation; weather and climatic changes. Earth's heat budget.

Weathering, erosion, transportation and deposition by wind, rivers, glaciers and oceanic currents and evolution of related landforms. Soils: processes of formation, soil profile and soil types.

Nature of stratigraphic records, Standard stratigraphic time scale and

introduction to the concept of time in geological studies. Introduction to geochronological methods in their application in geological studies. History of development in concepts of uniformitarianism, catastrophism and neptunism. Law of superposition and faunal succession. Introduction to the geology and geomorphology of Indian subcontinent.

Distribution of elements in the solar system and in the Earth. Chemical differentiation and composition of the Earth. General concepts about geochemical cycles and mass balance. Properties of elements.

Geochemical behaviour of major elements. Mass conservation of elements and isotopic fractionation.

Suggested Readings

1992. Holme's Principles of Physical

Geology. Chapman & Hall.

Emiliani, C, 1992. Planet Earth, Cosmology, Geology and the Evolution of Life and Environment. Cambridge University Press.

01ABA1118.2

CRYSTALLOGRAPHY AND MINERALOGY

PAPER CODE:01 ABA118.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words),. Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

syllabus

Elementary ideas about crystal morphology in relation to internal structures. Crystal parameters and indices. Crystal symmetry and classification of crystals into six systems and 32 point groups. Stereographic projections of symmetry elements and forms. Introduction to XRD, DTA, SEM techniques.

Chemical bonding and introduction to solid state chemistry as applicable to structures of minerals. Minerals: definition and classification, physical properties and chemical composition of common rock-forming minerals.

Principles of optical mineralogy. Introduction to the petrological microscope.

Study of important optical properties such as refractive index, twinkling, birefringence, pleochroism, interference colour, extinction angle, and twinning of common rock forming minerals.

BA (EDUCATION)

Scheme

Two Papers Min.Pass Marks : 72

Max.Marks : 200

Paper-I Duration 3 hours Max.Marks : 100 (70External+30 Internal)

Paper-II Duration 3 hours Max.Marks : 100 (70External+30 Internal)

01ABA119.1

PRINCIPLES OF EDUCATION

PAPER CODE:01 ABA119.1
Maximum marks=100
External =70
Internal =30
(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words), Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

Objectives

To enable the students to

1. Understand the meaning & nature of Philosophy and Education and appreciate their relationship.
2. Understand the contributions of Indian Philosophy and thinkers to Education.
3. Link educational practices with local socio-cultural situations.

Unit I – Concept and Scope of Education

- Education as acquisition of knowledge.
- Education as growth and development.
- Education as adjustment and self-activity.
- Conservation, Enrichment and Transmission of Socio-cultural heritage.
- Social change and social progress.

Unit II – Philosophy of Education

- Meaning and nature of Philosophy.
- Meaning of Education.
- Relation between Philosophy and Education.
- Philosophy in relation to aims of education, curriculum, teaching learning methods, role of teacher and personality development.

Unit III – Educational Thinkers

- M.K Gandhi– Educational thoughts and work.
- Swami Vivekanandha – Educational thoughts and work.
- Rajarshi Chatrapati Shabu – Educational thoughts and work.
- Madam Montessori’s Educational thoughts and work.
- John Dewy, Educational thoughts and work.

Unit IV – Bases of Education

- Psychological, Philosophical and Sociological bases.
- Development of educational thought and ideas in relation to aims, curriculum, method of instruction, discipline and the role of teacher with References to the main schools of Philosophy.
- Idealism, Naturalism and Pragmatism as well as great educators– Rousseau, Froeble, Montessori, Dewey, Rabindranath and Gandhiji.

Unit V – Challenges of Education

- Multicultural Society.
- Diversity with respect to – Caste, Religion, Language and habitat.
- Poverty, corruption, drug, alcohol addiction.
- Population explosion, gender disparity LPG.

References

1. Saiyidain, K. G. (1970) ‘Facts of Indian Education’, New Delhi: NCERT.
2. Ross, James (1962), Groundwork of Educational Theory, London: George Harre and Sons.
3. Nun, T. P. (1968), Education, its Data and First Principles, London: Edward Arnold.
4. Mohanti, J. (1987), Democracy and Education in India, New Delhi: Deep and

Deep Publishers.

5. Tyagi, P. N. (1991), Education for All: A graphic Presentation, New Delhi: NIEPA.

6. Govt. of India (1993), Education for All: The Indian Scene, Widentry Horizons, New Delhi: MHRD.

7. Nayar, P. R., Dave, P.N., and Arora, K. (1982), Teacher and Education in Emerging Indian Society, New Delhi.

8. Ram Murti Acharya (1990), Towards an Enlightened and Humane Society – A Committee Report, New Delhi MHRD.

9. Ruhela, S. P. (1969), Social Determinants of Educability in India, New Delhi: Jain Publishers.

01ABA119.2

EDUCATIONAL PSYCHOLOGY

PAPER CODE:01 ABA119.2

Maximum marks=100

External =70

Internal =30

(Mid term15,Assignment-15)

Note: Each theory paper is divided into three independent units. The question paper will be divided into three parts Part-A , Part-B and Part-C. Part is compulsory and contains 10 questions at least three questions from each unit each question is of two mark ,Part -B is compulsory and will contain five questions at least one from each unit. Candidate is required to attempt all five questions. Each question is of four marks (50 words)., Part-C contains six questions two from each unit. Candidate is required to attempt three questions one from each Unit. Each question is of twenty marks (400 words).

Objectives

To enable the students to

1. Understand the meaning, scope and uses of psychology in education.
2. Know about the human growth and development up to the stage of adolescence
3. Know the meaning and purpose of learning and factors influencing learning.
4. Understand the concept of intelligence, its meaning and measurement.
5. Know the heredity and environment and their roles in causing individual differences.

Unit I – Educational Psychology

- Psychology – Meaning, Nature and Scope.
- Relation & Distinction between Education and Psychology.
- Educational Psychology – Definition, Meaning and Scope.
- Applications of Educational Psychology in teaching learning process.

Unit II – Human Development

- Stages of human development: Infancy to adolescence.
- Areas of development – Social, Emotional and Intellectual.
- Psychological characteristics and problems of adolescents.
- Fundamentals of Piagetian developmental psychology.
- Role of Educational Psychology in understanding the individual.

Unit III – Learning

- Learning and maturation.
- Types of learning: Conditioning, Trial & error and Problem solving.
- Laws of learning.
- Learning and Motivation.
- Factors affecting learning.

Unit IV – Individual Differences

- Intelligence: Definition, Nature and Determinants & measurements of Intelligence

- Creativity: Nature, Meaning, Relationship between Creativity and Intelligence, Measurement of creativity.
- Personality: Concept, Development and Structure and Assessment.
- Meaning and Measurement of Interest, Attitude and Values.
- Causes and significance of individual differences and its educational implications.

Unit V – Mental Health and Adjustment

- Concept, mechanism of adjustment.
- Introduction to common forms of neuroses, psychosis and somatic disorders.
- Principles of mental hygiene – preventive, constructive, curative measures.
- Implications for education.

References

1. Bhatia, H. R. (1977), Textbook of Educational Psychology, The McMillan Company of India Ltd., New Delhi.
2. Aggarwal, J. C. (1995), Essential Educational Psychology, Vikas Publishing House Pvt. Ltd., New Delhi.
3. Chauhan, S. S. (1988), Advanced Educational Psychology, Vikas Publication, New Delhi.
4. Sharma, K. N. (1990), Systems, Theories and Modern Trends in Psychology, HPB, Agra.
5. Dececco, J. P. (1977), The Psychology of Learning and Instruction, Prentice Hall of India Pvt. Ltd., New Delhi.
6. Kale, S. V. (1983), Child Psychology and Child Guidance, Himalaya Publishing House, Giragoan, Bombay.
7. Kakkar, S. B. (1989), Educational Psychology & Guidance, The Indian Publication, Hill Road, Ambala, Cantt.

01ABA120.1

PUNJABI

PAPER CODE:01 ABA120.1
Maximum marks=100
External =70
Internal =30
(Mid term15,Assignment-15)

I Paper

ਕੋਰਸ

1. **ਆਧੁਨਿਕ ਕਾਵਿ-ਸੰਗਮ**, (ਸੰਪਾਦਕ) ਡਾ. ਸਤਿੰਦਰ ਸਿੰਘ ਨੂਰ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ
2. **ਕਥਾ ਕਹਾਣੀ**, (ਸੰਪਾਦਕ) ਡਾ. ਧਨਵੰਤ ਕੌਰ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਊਰੋ, ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ, ਚੰਡੀਗੜ੍ਹ
3. **ਮੋਰੀ ਜੀਵਨ ਗਾਥਾ**, ਦੀਵਾਨ ਸਿੰਘ, ਕਸਤੂਰੀ ਲਾਲ ਐਂਡ ਸੰਨਜ਼, ਅੰਮ੍ਰਿਤਸਰ
4. 1, 2 ਅਤੇ 3 ਪੁਸਤਕਾਂ ਤੇ ਆਧਾਰਤ ਲਘੂ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ

ਯੂਨਿਟ ਅਤੇ ਥੀਮ

1. ਕਾਵਿ ਸੰਗ੍ਰਹਿ ਵਿੱਚੋਂ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ (ਦੋ ਵਿੱਚੋਂ ਇਕ)
 2. ਕਵਿਤਾ ਦਾ ਸਾਰ ਜਾਂ ਕੇਂਦਰੀ ਭਾਵ (ਦੋ ਵਿੱਚੋਂ ਇਕ)
 3. ਕਹਾਣੀ-ਸੰਗ੍ਰਹਿ ਵਿੱਚੋਂ ਕਿਸੇ ਇਕ ਕਹਾਣੀ ਦਾ ਵਿਸ਼ਾ ਦੱਸ ਕੇ ਸਾਰ (ਤਿੰਨ ਵਿੱਚੋਂ ਇਕ)
 4. ਸਵੈ-ਜੀਵਨੀ ਪੁਸਤਕ ਵਿੱਚੋਂ ਕਿਸੇ ਇਕ ਘਟਨਾ/ਕਾਂਡ ਦਾ ਸਾਰ (ਤਿੰਨ ਵਿੱਚੋਂ ਇਕ)
 5. ਲਘੂ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਸੰਖੇਪ ਉੱਤਰ (ਉੱਤਰ ਇਕ ਤੋਂ ਤਿੰਨ ਸਤਰਾਂ ਵਿਚ)
- (ੳ) ਕਾਵਿ-ਸੰਗ੍ਰਹਿ ਵਿੱਚੋਂ (ਅੱਠ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਪੰਜ ਦੇ ਉੱਤਰ ਦਿਓ)
- (ਅ) ਕਹਾਣੀ-ਸੰਗ੍ਰਹਿ ਵਿੱਚੋਂ (ਅੱਠ ਵਿੱਚੋਂ ਪੰਜ ਦੇ ਉੱਤਰ ਦਿਓ)
- (ੲ) ਸਵੈ-ਜੀਵਨੀ ਵਿੱਚੋਂ (ਅੱਠ ਪ੍ਰਸ਼ਨਾਂ ਵਿੱਚੋਂ ਪੰਜ ਦੇ ਉੱਤਰ ਦਿਓ)

01ABA120.2

PUNJABI

PAPER CODE:01 ABA120.2
Maximum marks=100
External =70
Internal =30
(Mid term15,Assignment-15)

II Paper

ਯੂਨਿਟ ਅਤੇ ਥੀਮ

1. ਨਿਰਧਾਰਤ ਲੇਖਕਾਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇਕ ਦਾ ਜੀਵਨ, ਰਚਨਾ ਅਤੇ ਸਾਹਿਤਕ ਯੋਗਦਾਨ (ਦੋ ਕਵੀ ਅਤੇ ਦੋ ਕਹਾਣੀਕਾਰ ਭਾਵ ਚਾਰ ਵਿੱਚੋਂ ਇਕ ਲਿਖਣਾ ਹੈ। ਲੇਖਕ: ਪੂਰਨਸਿੰਘ, ਮੋਹਨ ਸਿੰਘ, ਭਾਈ ਵੀਰ ਸਿੰਘ, ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ, ਸੁਰਜੀਤ ਪਾਤਰ, ਗੁਰਬਖ਼ਸ਼ ਸਿੰਘ ਪ੍ਰੀਤਲੜੀ, ਸੁਜਾਨ ਸਿੰਘ, ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ, ਸੁਖਵੰਤ ਕੌਰ ਮਾਨ, ਮੋਹਨ ਭੰਡਾਰੀ)
2. ਲੇਖ (500 ਸ਼ਬਦਾਂ ਵਿਚ) ਚਲੰਤ ਮਾਮਲਿਆਂ, ਸਮਾਜਕ ਮਸਲਿਆਂ, ਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਸਭਿਆਚਾਰ ਨਾਲ ਸੰਬੰਧਤ (ਚਾਰ ਵਿੱਚੋਂ ਇਕ ਕਰਨਾ ਹੈ)

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|----|---|------------|
| 3. | ਸੰਖੇਪ ਰਚਨਾ (ਪ੍ਰੈਸੀ) | 2+(6=8 ਅੰਕ |
| 4. | ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿਚ ਅਨੁਵਾਦ (ਸਾਹਿਤਕ ਪੇਰੇ ਦੇ ਲਗਭਗ 100 ਸ਼ਬਦ) | 5 ਅੰਕ |
| 5. | ਸੂਚਨਾ ਹਿਤ ਨੋਟਿਸ ਲਿਖਣਾ (ਸਾਹਿਤਕ, ਸਭਿਆਚਾਰਕ ਅਤੇ ਖੇਡ ਖੇਤਰ ਨਾਲ ਸੰਬੰਧਤ ਕਾਲਜ ਦੀਆਂ ਹੋਰ ਗਤੀਵਿਧੀਆਂ ਬਾਰੇ) | 5 ਅੰਕ |
| 6. | ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹ | 4 ਅੰਕ |
| 7. | ਸ਼ੁੱਧ-ਅਸ਼ੁੱਧ, ਅਗੇਤਰ ਪਿਛੇਤਰ | 2+2=4 ਅੰਕ |
| 8. | ਮੁਹਾਵਰੇ ਅਤੇ ਅਖਾਣ: (ਛੇ ਵਿਚੋਂ ਚਾਰ : ਵਾਕ ਇਸ ਪ੍ਰਕਾਰ ਬਣਾਓ ਕਿ ਅਰਥ ਸਪਸ਼ਟ ਹੋ ਜਾਣ) | 4 ਅੰਕ |

ਸਹਾਇਕ ਪੁਸਤਕਾਂ :

1. ਪੰਜਾਬੀ ਸੰਚਾਰ ਯੋਗਤਾ ਅਭਿਆਸ, ਪੰਜਾਬ ਸਟੇਟ ਯੂਨੀਵਰਸਿਟੀ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।
2. ਕਾਲਜ ਪੰਜਾਬੀ ਵਿਆਕਰਣ, ਡਾ. ਹਰਕੀਰਤ ਸਿੰਘ ਅਤੇ ਗਿਆਨੀ ਲਾਲ ਸਿੰਘ, ਪੰਜਾਬ ਸਟੇਟ ਯੂਨੀਵਰਸਿਟੀ ਟੈਕਸਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ।