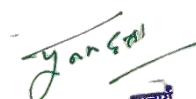


List of Courses which address Gender, Environment and Sustainability, Human Values and Professional Ethics				
Programme	Course	Paper	Topic	Link of the relevant document
B.A., B.Sc.	Environmental Studies	Compulsory	Eco system ,food food web, pollution, aforestation	https://mgsubikaner.ac.in/syllabus
B.A., B.Sc.	Elementary Computer Applications	Compulsory	MS Office, MS DOS, Internet	https://mgsubikaner.ac.in/syllabus/
B.A. I	Home Science	Family and Community Service	Concept of health, positive health,Community health. Importance of Yoga and Pranayam, Meditation etc.	https://mgsubikaner.ac.in/syllabus/
B.A. II	Sociology	II Social Problem in contemporary India	Problem of women in India	https://mgsubikaner.ac.in/syllabus/
B.A.III	Sociology	III Indian Society	Caste, Marriage, Family, Status of Women etc.	https://mgsubikaner.ac.in/syllabus/
B.SC-III	Zoology	III-Animal ecology and Bio Statics	Prospects and Strategies of sustainable environment	https://mgsubikaner.ac.in/syllabus/
B.SC III	Botany	I-Ecology and Phytogeography	Depletion of natural resources,Endangered plants, Ecology of Rajasthan Desert, Biodiversity	https://mgsubikaner.ac.in/syllabus/
B.Sc III	Botany	III-Molecular Biology and Biochemistry	Plant tissue culture in agriculture and forestry	https://mgsubikaner.ac.in/syllabus/
B.SC II	Botany	II-Anatomy of Angiosperms and Economic Botany	Cultivation and Improvement of crops, medicinal plants and study of Ethnobotany	https://mgsubikaner.ac.in/syllabus/
M.A. F	Political Science	IX-Human Rights and Duties	Duties, basic concepts, UNCHR, UNESCO	https://mgsubikaner.ac.in/syllabus/
M.A. P	Sociology	III-Indian Social System	Caste, Marriage, Family, Status of Women etc.	https://mgsubikaner.ac.in/syllabus/
M.A. P	History	III Women in Indian History	Gender Issues	https://mgsubikaner.ac.in/syllabus/
M.A. F	History	VIII Modern india and its institutions	Depressed class and untouchability	https://mgsubikaner.ac.in/syllabus/
M.A F	Home Science	VII Textile and Clothing	Women Enterprenourship development in Textile	https://mgsubikaner.ac.in/syllabus/
M.A F	Home Science	VIII Extension techniques and Programme	Self help group	https://mgsubikaner.ac.in/syllabus/
M.A F	Home Science	VI Family relations and family welfare	Marriage,marriage counselling,Law pertaining to marriage, Adjustments,conflicts.	https://mgsubikaner.ac.in/syllabus/


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- Prepositions
- Basic Sentence Patterns
- B. Transformations [10 Marks]
 - Active to Passive Voice
 - Simple to Compound / Complex
 - Declarative into Negative/ Interrogative
 - Direct to Indirect Speech
- C. Comprehension [50Marks]
 - Comprehension of an Unseen Passage [10 Marks]
 - Comprehension (from the following Texts): Comprehension based Questions of 10 Marks each will be asked from Prose, Short Stories, One Act Play and Poetry [40 Marks]
 - Prose
 - Digital India
 - A.P.J. Abdul Kalam: The Power of Prayer
 - Martin Luther King: I have a Dream
 - Albert Einstein: The World as I see it
 - Short Stories
 - Leo Tolstoy: The Three Questions
 - Nachiketa
 - One Act Play
 - Cedric Mount: The Never Never Nest
 - Poetry
 - R.N. Tagore : Heaven of Freedom
 - John Donne : Death be not Proud
 - Swami Vivekanand : Kali the Mother
- Required Readings: *Emerald* (Macmillan)
- D. Written Composition [30 Marks]
 - Precis Writing [5 Marks]
 - Paragraph Writing [10 Marks]
 - Letter Writing (Formal and Informal) [5 Marks]
 - Report Writing [10 Marks]

Suggested Readings:
 Murphy, Raymond: *Intermediate English Grammar*
 (OUP) Huddleton, Rodney: *English Grammar: An Outline* (OUP) Greenbaum, Sidney: *The Oxford English Grammar* (OUP)

Elementary Computer Applications Examination 2022

Max. Marks : 100 Min . Passing Marks : 36 Time : 2 Hours

- Note:**
1. Passing in theory examination shall be necessary by securing at least 36% marks.
 2. The theory paper shall consist of 100 objective type questions. Each will carry 1 marks. Candidate will have to write correct answer (A) or (B) or (C) or (D) in space provided against the questions on OMR sheet.


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3. Non-Scientific Calculator is allowed to be used in examination.
Introduction to Information Technology, Generation of Computers, Types of computers: Micro, Mini, Mainframe, Super.
Architecture of Computer System: CPU, Primary Memory: RAM, ROM, Cache memory, Secondary memories, Input/output devices, Pointing device.
Number System and their conversions: Binary, Octal, Decimal, Hexadecimal. Logic gates.
Languages: Machine, assembly and High Level Languages including 3GL, 4GL.
Concept of Operating System, Need and Types of Operating System: Batch, Single User, Multiprocessing, Time Sharing, Introduction to Windows.
Internet: Concept, e-mail services, WWW, Web Browsers, Search Engines, Simple programs in HTML, type of HTML Documents, Document Structures: Element, type and Character Formatting, Tables, Frames, Forms. Style Sheets.
Computer Networking: Type of networks, LAN, MAN and WAN, Concept of topology, Bridges, Routers, Gateways, Modem, ISDN Leased lines, teleconferencing and videoconferencing.
E-Commerce: Concept of E-Commerce, benefits and growth of E-Commerce, E-Commerce categories, E-Governance, EDI, Electronic Funds transfer on EDI networks, Electronic Payment System.

References:

1. Computer Fundamentals By P.K. Sinha (BPB Publications)
2. Computer made Easy for Beginners(in Hindi) By Niranjana Bansal, Jayshri Saragoi
3. IT Tools and Application by Satish Jain, Shashank Jain, Dr. Madulika Jain(BPB Publication)
4. Rapidex Computer Course By Vikas Gupta(PustakMahal)
5. Internet and Web page Designing By V.K. Jain(BPB Publications)
6. Web Enabled Commercial Application Development using HTML, DHTML, Java Script, Perl CGI By Ivan Bayross (BPB Publications)

ENVIRONMENTAL STUDIES

Theory : Max. Marks: 100 Min. Passing Marks: 36

Note.

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

The syllables and scheme of examination is as under:

Compulsory in 1st year for all streams at undergraduate level

SCHEME OF EXAMINATION

1. The paper will be of 100 marks.
2. There will be no practical/Field work, instead student should be aware of ecology of local area; the question related to field work of local area can be asked by paper setter.
3. There will be 100 questions in the paper of multiple choice, each question of 1 mark.
4. There will be no negative marking in the assessment.

Core Module syllabus for Environmental Studies for Under Graduate Courses of All Branches of Higher Education

Unit-1 : The multidisciplinary nature of environmental studies.

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

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Unit-2 : Natural Resources :

- Renewable and non-renewable resources
- Natural resources and associated problems.
- Forest resources.
- Use and over-exploitation.
- Deforestation.
- Timber exploitation.
- Mining
- Dams and their effects on forests and tribal people.
- Water resources.
- Use and over utilization of surface and ground water.
- Floods
- Drought
- Conflicts over water
- Dams benefits and problems.
- Mineral resources.
- Use and exploitation.
- Environmental effects of extracting and using mineral resources.
- Food resources.
- World food problems.
- Changes caused by agriculture and overgrazing.
- Effects of modern agriculture.
- Fertilizer, pesticide problems.
- Water logging.
- Salinity

Energy resources :

- Growing energy needs.
- Renewable and non-renewable energy resources.
- Use of alternate energy resources.

Land resources :

- Land as a resource.
- Land degradation.
- Man induced land slides.
- Soil erosion & desertification.

Role of an individual in conservation of natural resources. Equitable use of resources sustainable system.

Unit-3 : Ecosystem:

- 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 ecosystems.

- Forest ecosystem.
- Grassland ecosystem
- Desert ecosystem.
- Aquatic ecosystems (ponds, streams, lakes, rivers, oceans estuaries).

Unit-4 : Biodiversity and its conservation:

- Introduction, definition and diversity at genetic, species and ecosystem level.
- Biogeographically classification of India.
- Value of biodiversity, consumptive use productive use, social, ethical, aesthetic and option values.
- Biodiversity at global, national & local levels.
- India as a mega-diversity nation.
- Hot-spots of biodiversity.
- Threats to biodiversity - habitat loss poaching of wild life, man-wild life conflicts.
- Endangered and endemic species of India.
- Conservation of biodiversity – In situ and Ex-situ conservation of biodiversity.

Unit-5 : Environmental Pollution :

- Definition, causes, effect and control measures of
- Air pollution.
- Water pollution
- Soil pollution.
- Marine pollution
- Noise pollution
- Thermal pollution
- Nuclear hazards.
- Solid waste management : Causes, effects and control measures of urban industrial wastes.
- Role of an individual in prevention of pollution.
- Disaster management : Flood, earthquake, cyclone and land slides.

Unit-6 : Social issues and the environment :

- From unsustainable to sustainable development
- Urban problems related to energy.
- Water conservation, rain water harvesting, water shed management.
- Settlement and rehabilitation of people, its problem of concerns.
- Environmental ethics-issues and possible solutions. Ozone layer depletion, nuclear accidents.
- Wasteland reclamation.
- Consumerism and waste products.
- Environmental protection Act.
- i. Air () prevention and control of pollution Act
- ii. Wild life protection Act
- iii. Forest conservation Act.
- Issues involved in enforcement of environmental legislation.

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Unit-
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- 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 & child welfare.
- Role of information technology in environment and human health.

FIELD WORK

- Visit to a local area to document environmental assets-river/forest/grassland/ hill/ mountain.
- Visit to local polluted site- Urban/rural/industrial/agricultural.
- Study of common plants, insects. Birds.
- Study of simple ecosystem-Pond, river, hill slope etc.

Suggested Books :

- 1 पर्यावरण अध्ययन – वर्मा, गैना, खण्डेलवाल, रावत
- 2 पर्यावरण विज्ञान – पी.सी. त्रिवेदी, गरिमा गुप्ता
- 3 पर्यावरण अध्ययन – सुरेश आमेता, शिप्रा भारद्वाज
- 4 Environmental studies -Pratap Singh, N.S. Rathore, A.N. Mathur
- 5 पर्यावरण अध्ययन – बाकरे, बाकरे वाघवा
- 6 पर्यावरण अध्ययन – मनोज यादव, अनूपमा यादव

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Structure of stamen and pistil. Pollen Pistil interaction & Self incompatibility
Microsporogenesis- Structure and germination of pollen grains. Megasporogenesis
of ovules. Development and types of embryo-sacs (mono, bi and tetragynous)
Fertilization.

Unit-V

Endosperm. Structure, types and development. Types of endosperm
haustoria, nature of endosperm. Types of embryogeny. Seed structure
and types. Apomixis, polyembryony and parthenogenesis
Experimentalembryology- culture of anther and embryo.

PAPER-II

ANATOMY OF ANGIOSPERMS AND ECONOMIC BOTANY

Unit-I

Meristems and various theories related to organization of apical
meristems (root and stem). Simple and complex permanent tissues and their functions
secretary tissues, tissue systems.

Unit-II

Primary internal structure of root, stem and leaves. Structure of
leaf epidermis, trichomes and stomata. Origin of lateral roots. Primary
anomalous structure (Monocot & Dicot Stem & Root). Abscission of leaves.

Unit-III

Normal Secondary growth in dicot root and stem. Periderm, Heart
Wood, sap wood, tylosis, annual rings & secondary anomalous growth
in roots and stems.

Unit-IV

Origin, cultivation and improvement of Wheat, Rice, Maize,
Potato and Sugarcane. Study of economic botany of following
group of plants:-

Fibre yielding- Cotton, Jute

Oil yielding- Groundnut, Mustard, Sunflower and Coconut.

Timber yielding- Tectona, Dalbergia, Tecomella.

Unit-V

General account and economic importance of following group of plants-

Medicinal plants with special reference to- *Cinchona*, *Rauvolfia*, *Papaver*, *Withania* and *Aloe*.

Spices and condiments with special reference to- Red pepper, Clove, Coriander, Zinger, Heeng, Turmeric.

Beverages- Tea, Coffee.

General account of Rubber plants.

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सर्वे परीक्षाओं का विवरण इस प्रकार है: विद्यार्थियों को अपने नामों के अनुसार परीक्षाओं में भाग लेना है।
 सभी का विवरण -
 विद्यार्थी विवरण

क्र.सं.	विद्यार्थी नाम	विद्यार्थी विवरण	पूर्व विवरण
1	सुनील कुमार	7	8
2	सुनील कुमार	8	7
3	सुनील कुमार	8	7
4	सुनील कुमार	8	8
5	सुनील कुमार	8	7
6	सुनील कुमार	8	उत्तर
7	सुनील कुमार	10	10
8	सुनील कुमार	8	उत्तर
9	सुनील कुमार	10	12
10	सुनील कुमार	85	65
कुल योग			

B.Sc. Part - III 2023-24

SYLLABUS BOTANY

Scheme	Max. Marks : 135	Minimum Marks: 48
Three Papers	45Marks	16
Paper I 3 Hours Duration	45 Marks	16
Paper II 3 Hours Duration	45 Marks	16
Paper III 3 Hours Duration	45 Marks	16
Practical : 5 Hours Duration.	Max. Marks : 65	Min. Pass Marks : 24
(One day)		

PAPER I - ECOLOGY AND PHYTOGEOGRAPHY

Unit-I

Plant Ecology: Definition, scope, branches, Ecological factor affecting the vegetation. Ecosystem: Structure, its biotic and abiotic components, food chain and food web, ecological pyramids, energy flow, biogeochemical cycles.

Unit-II

Productivity: Primary and secondary productivity and their measurements.

Plant succession: causes. Process, types: Hydrosere, Xerosere (Lithosere and Psammosere).

Community : Structure and development.

Unit-III

Pollution of air, water, noise: their causes, consequences and control.

Resources: Renewable and non-renewable, management problem of

depletion of natural vegetation; endangered plants. Red data book. National

Parks and sanctuaries.

Unit-IV

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[172]

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Respiration: Glycolysis, Krebs cycle, electron transport system and oxidative phosphorylation, Photo-respiration factors affecting respiration. Fats: synthesis and degradation.

Unit-IV

Plant growth regulators: Auxins, gibberellins, cytokinins, ethylene and abscissic acid, their discovery, structure, physiological effects and applications. Seed dormancy, senescence, photoperiodism and vernalization.

Unit-V

Enzymes General Characteristics, classification, mode of action, inhibitors. Principles and use of following instruments, techniques: pH measurement, centrifugation, colorimetry, chromatography (PC, TLC).

PAPER III - MOLECULAR BIOLOGY & BIOTECHNOLOGY

Unit-I

Gene concept from Mendel to molecular level, Genetic code, DNA types: DNA replication and transcription in prokaryotic system. Nif gene and nitrogen fixation.

Unit-II

Plasmids, kinds and their uses as vectors, principle of genetic engineering and recombinant DNA technology
. Tools of genetic engineering (PCR, gene sequencing, restriction enzymes, genomic library).

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Unit-III

Interaction and expression of trans genes, Bt-toxin, Methods of gene transfer in higher plants, vector mediated gene transfer. Brief account of vectorless gene transfer (Particle gun, liposomes, chemical methods).

Unit-IV

History and scope of plant tissue culture. Basic techniques and tools of plant tissue culture. Brief amount of protoplast culture and fusion. Plant tissue culture in agriculture and forestry. Micropropagation and somatic embryogenesis.

unit-v

Plant tissue culture in industry, secondary plant products: definition types and uses of alkaloids, factors affecting production of secondary products in cultures grown in bioreactors (fermentors).

PRACTICALS

PAPER I: ECOLOGY AND PHYTOGEOGRAPHY

1. Find out the density, frequency & abundance of herbaceous species by quardrat method.
2. To find out the minimum size of the quardrat.
3. Plant adaptive modifications. Specimens/slides.

Opuntia, Euphorbia, Capparis, Leptadenia, Hydrilla, Eichhornia and Typha.

4. Soil analysis: Field tests.
 - a. Soil texture
 - b. Soil moisture
 - c. Soil pH
5. Water analysis
 - a. Hardness of water
 - b. Water temperature
 - c. Carbonate, bicarbonate & chloride tests.
6. Ecological instruments and their working.
 - a. Maximum and minimum thermometer
 - b. Oven.

PAPER III: PLANT PHYSIOLOGY AND BIOCHEMISTRY

1. To observe streaming movement of protoplasm (*Hydrilla*).
2. Demonstration of phenomenon of plasmolysis using *Rhoeo* discolor leaves.
3. Demonstration of phenomenon of osmosis by potato osmoscope.

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Mendelian Genetics: Mendel's laws of inheritance. Monohybrid and dihybrid cross, dominance, incomplete dominance. Current status of Mendelism, gene interactions, supplementary, complimentary, Epistasis and inhibitory and polymorphic gene.

UNIT-II

Multiple allele-ABO, Rh and MN blood groups and their inheritance, Sex determination XX-XY, XO-XY, and ZW mechanisms, sex linked inheritance (X-linked and Y linked). Colour blindness, Haemophilia,

UNIT-III

Genetic variation: variation in chromosome number (Euploidy and Aneuploidy). Types of chromosomal mutations, molecular basis of gene mutation, mutagens, crossing over and linkage. Genetic disorders in Human beings (Down's, Turner's, Klinefelter's and Edward Syndromes).

UNIT-IV

Molecular genetics: Nucleic acids, structure, function and types of DNA, Structure, function and types of RNA, genetic code, Transcription, Protein synthesis, gene structure (Recon, Muton, Cistron) and regulation of gene (Lac operon: inducible and repressible system). Bacterial genetic transformation, transduction and conjugation. Lytic and lysogeny cycle. Elementary idea about wugenics. Elementary idea about genetic engineering, gene cloning and recombinant DNA technology (vectors for gene transfers, plasmids and phages). Restriction enzymes.

UNIT-V

Introduction, historical perspective, animal cell hybridoma, major areas and future prospects of biotechnology. Medicines and Biotechnology, Microbes in medicine. Antibiotics, Vaccine, Antibodies, Antigens, Environmental biotechnology: Use of microorganisms in metal and petroleum recovery, pest control, waste treatment, processing of industrial waste. Degradation of xenobiotic compounds including pesticides and surfactants. Surfactants and oil pollutants. Food and drink biotechnology, ferment food, dairy products, food preservation, microbial spoilage, alcoholic beverages. Vinegar, Monoclonal antibodies and their applications.

PAPER-III: ANIMAL ECOLOGY AND BIostatISTICS

NOTE: The question paper shall contain three sections. Section A (15 marks) shall contain 10 questions two from each Unit. Each question shall be of 1.5 marks. The candidate is required to answer all the questions. The answers should not exceed 50 words. Section B (15 marks) shall contain 5 questions (two from each unit, as internal choice). Each question shall be of 3 marks. The candidate is required to answer all 5 questions. The answers should not exceed 200 words. Section C (15 marks) shall contain 5 questions, one from each Unit. Each question shall be of 5 marks. The candidate is required to answer any three questions. The answers should not exceed 500 words.

UNIT-I

Introduction to ecology, definition, history, subdivisions and scope of ecology. Environmental factors-Physical factors-Soil, water, air, temperature. Biotic factors-interspecific and intraspecific relations, neutralism, mutualism, commensalisms, antibiosis, parasitism, predation, competition. Concept of limiting factors, Leibig's law of minimum, Shelford's law of tolerance, combined concept of limiting factors.

UNIT-II

Concept of niches. Population and community ecology. Measurement of population density. Factors affecting population growth, growth curves, dispersal, migration. Characteristics of community. Concept of ecosystem. Trophic levels- food chain and food web. Ecological pyramid. Energy flow in an ecosystem, biogeochemical cycles CO_2 , N_2 , O_2 , S and P. Prospects and strategies of sustainable environment.

UNIT-III

Aquatic ecology-Physicochemical nature of fresh water habitat, lentic habitat(Lake and ponds), lotic(stream and river). Fresh water fauna and their adaptations. Characteristics of marine habitat, zonation of marine environment, marine water fauna and their adaptations, deep sea fauna and their adaptations.

UNIT-IV

Terrestrial and applied ecology- Characteristics of terrestrial habitat, forest ecosystem(forest types), desert ecosystem- characteristics of desert environment, desert fauna and their adaptations with special reference to Rajasthan. Pollution types of pollution(water, air, and ground, thermal, noise, industrial and chemical). Radiation, nuclear fallout and biological effects of radiation. Green house effects. fossil fuels, coal and petroleum, nuclear fuels, management of environment. Wild life conservation with special reference to Rajasthan.

UNIT-V

Introduction and understanding of concepts of descriptive and inferential statistics, frequency distribution, graphical presentation, mean, mode, median, standard deviation, standard error of mean. Productivity distribution, correlation and regression. Test of significance, Chi square and t-test. Biostatistical analysis of gene distribution in population.

PRACTICALS

I. Analysis of environment:

1. Soil pH
2. Water analysis-pH, Alkalinity, Acidity, Dissolved oxygen and CO₂
3. Salinity (Chloride)
4. Qualitative estimation of zooplanktons in a given sample of water

II-Ethology

1. Visit to zoo- Identification and general information about Zoo animals. General information about local amphibian fauna(Frog, toads), reptiles(Snakes and lizards), bird fauna(crow, kite, house sparrow, parrot, pigeon, peacock, vultures) and mammalian fauna(Kangaroo, Echidina, Hedgehog, Indian Mongoose, camel, mice, rabbit). Behavioral study of social organization of Black buck, Rhesus monkey and Honey bee.

Note- Student must produce a project report based on animal pollution, ethology, field trip, local habitat, wild life sanctuary, national parks

2. Antennal grooming in cockroach / wing cleaning in *Musca domestica*
3. Study of phototactic response of *Tribolium* / Housefly. Response of *Paramecium* to touch, Chemicals and light. Study of local habitat, collection and examination of microscopic fauna (Pond and terrestrial ecosystem)

III. Biostatistics

1. Construction of frequency tables, Histogram, polygons, pie charts.
2. Exercise on Mean, Median and Mode.
3. Test of significance:t- test and Chi square test

IV. Endocrinology

1. Demonstration of major endocrine glands in mice/rat by using Models/Charts/ Computers
2. Histological slides of major endocrine glands including gonads of mammalian and sub mammalian groups.T.S. endocrine glands.

V. Genetics

Drosophilla life cycle and idea about its culture. Identification of wild and mutant (yellow and ebony body), Vestigial wings, white eye, vestigial and ebony mutants, prepared slides of *Drosophilla*, Sex comb and Salivary gland chromosomes, Barr bodies of Human chromosomes. Identification of blood groups (ABO and Rh factor). Simple problems based on Monohybrid/ Dihybrid cross.Use of colour beads for exercise in genetics, genetic exercises based on widow peak, rolling of tongue, ear lobes, hypertrichosis, finger locking.

Unit-II :	Buddhism : Life and Teachings of Lord Budha; Contribution of Buddhism in Indian Culture; Jainism : Life and Teachings of Lord Mahaveer; Contribution of Jainism to Indian Culture; Main Currents of Medieval Bhakti Movement; Impact of Islam on Indian Culture.	Unit
Unit-III :	Literary Scenario : Vedic literature, Ramayan, Mahabharata and Puranas	Unit
Unit-IV :	Representative Literary Figures of India - Kalidas, Banabhatta, Tulsi and Tagore	Unit
Unit-V :	Evolution of Cave architecture, Stupas, Main features of Gandhara and Mathura art, Temple art and architecture of Gupta age; Evolution of Nagara and Dravida temple styles; Ajanta Paintings; Salient features of Medieval and Modern Architecture.	Unit
Unit-V :	Main Centres of Learning in India - Taxila, Nalanda, Ujjain, Kanchi; Sangam Literature; Contribution of Arya Bhatt and Varaha Mihir; Contribution of Raja Ram Mohan Roy, Dayanand and Vivekanand to the Indian Society.	Unit

Suggested Readings:

R.C. Majumdar and Pusalker	: The History and Culture of the Indian People, Vol. I, II, III, IV, IX, pt. I & II (Chapter on Art, Religion and Literature only)	1.
B.N.Luniya	: Evolution of Indian Culture	2.
A.K. Coomaraswami	: Indian Architecture, Vol. I & II.	3.
Percy Brown	: Indian Paintings	4.
S. Kramrisch	: Hindu Temples, 2 Vols.	5.
S. Kramrisch	: Indian Sculpture	6.
S.K. Saraswati	: Survey of Indian Sculpture	7.
A.S. Altekar	: Education in Ancient India	8.
R.K. Mookerjee	: Cultural Heritage of India, Vol. IV	9.
A.B.Keith	: History of Sanskrit Literature (Also in Hindi)	10.
S.N.Das Gupta (ed.)	: A History of Sanskrit Literature	11.
A.L. Basham	: The Wonder That Was India	12.
S. Jaiswal	: History of Vaishnavism	13.
परमेश्वरी लाल गुप्ता	: भारतीय वास्तुकला	14.
आर.जी.भण्डारकर	: वैष्णव, शैव और अन्य धार्मिक मत	15.
गोविन्द चन्द्र पाण्डे	: बौद्ध धर्म के विकास का इतिहास	16.
हीरा लाल जैन	: भारतीय संस्कृति को जैन धर्म का योगदान	17.
कमलेश भारद्वाज	: भारतीय संस्कृति	18.
शेव कुमार गुप्त	: भारतीय संस्कृति के मूलाधार	19.
मधारी सिंह दिनकर	: संस्कृति के चार अध्याय	20.

Paper-III : WOMEN IN INDIAN HISTORY

hrs duration

Max Marks : 100

note : The question paper shall contain three sections. Section-A shall contain 10 questions two from each unit of 2 marks each. The candidate is required to answer all the questions. The answer should not exceed 50 words. Section-B shall contain 5 questions one from each unit with multiple choice. Each question shall be of 7 marks. The answers should not exceed 200 words. Section-C shall contain 5 questions one from each unit. The candidate is required to answer any three questions. The answer should not exceed 500 words.

- Unit-I :** Sources of Study – Literary and Archaeological sources, Archival and Non-archival sources, Govt. Files, Census Reports, Private Papers, Autobiographies.
- Unit-II :** Religion and Women - Brahmanical, Jainism, Buddhism, Christianity, Islam and Sikhism; Reform Movement and Women - Bhakti movement, Brahma Samaj, Arya Samaj.
- Unit-III :** Customary and legal status of women - Ancient India, Medieval India, Colonial India, Post Independent India, Women in Tribal Societies; Role of Women in household, agriculture and industry, Property related rights of women.
- Unit-IV :** Education and Women - Ancient India, Medieval India, Colonial India, Post Independent India; Women's organizations - Colonial, Local, National, Post Independent India; Political Participation of women; Various movements of women in India.
- Unit-V :** Women and Culture - Women representation and participation in literature, art, sculpture, music, dance, historical writings and media.

Suggested Readings:

1. A.S. Altekar : The Position of Women in Hindu Civilization, Delhi, 1978.
2. A.Basu & B.Ray: Women's Struggle: A History of the All India Women conference, 1927, 1990, Delhi.
3. B.S. Upadhaya : Women in Rigveda
4. Neera Desai : Women in Modern India, Mumbai, 1957
5. J.Krishnamurty(ed.): Women in Colonial India, Essays on Survival Work and State, OUP, Delhi, 1989.
6. M.C. Parekh : The Brahma Samaj
7. Vina Mazumdar : Symbols of Power: Studies on the Political Status of Women in India, Allied, Delhi, 1979
8. Rekha Mishra: Women in Mughal India, 1526-1748, M.M.Pub., Delhi, 1967
9. B.R. Nanda: Indian Women from Purdah to Modernity, Vikas, Delhi, 1976
10. Gail Minault : The Extended Family Women and Political Participation in India and Pakistan, South Asia Books, Columbia, 1981
11. Towards Equality : Report of Committee on the Status of Women in India, Govt. of India, Delhi, 1975
12. Ashraf : Social and Economic Life in Medieval India.
13. Sashi Arora : Rajasthan Main Nari Ki Sthiti

Paper-IV: SOCIAL AND ECONOMIC HISTORY OF RAJASTHAN (7th CENTURY A.D. TO 1950 A.D.)

Max Marks: 100

3 hrs duration

Note : The question paper shall contain three sections. Section-A shall contain 10 questions two from each unit of 2 marks each. The candidate is required to answer all the questions. The answer should not exceed 50 words. Section-B shall contain 5 questions one from each unit with internal choice. Each question shall be of 7 marks. The answers should not exceed 200 words. The candidate is required to answer all the questions. Section-C shall contain 5 questions of 15 marks each, one from each unit. The candidate is required to answer any three questions. The answer shall not exceed 500 words.

Unit-I : Main sources of Social and Economic History of Rajasthan; Main Social Institutions: Tribes, Clan and Caste; Family organization; Main Samskaras;

marks each, one from each unit. The candidate is required to answer any three questions. The answer shall not exceed 500 words.

UNIT-I
Indian Nationalism - The Indian National Congress, the Moderates, Gokhale and Pherozshah Mehta.

UNIT-II
The beginning of Radicalism and contribution of Tilak. Liberal and conservative reactions, trends in British Administration - Ripon and Curzon-Partition of Bengal and Swadeshi Movement.

UNIT-III
Growth of communalism and separatism-Sir Saiyyid Ahmed and the Aligarh Movement. Functions of Muslim League, Growth of Education, Press, Legislative, Administration, Financial Decentralization.

UNIT-IV
Relations with neighbouring State- Afghanistan, Burma and Tibet.

UNIT-V
The growth of British paramountcy, its nature, Indian Council Act of 1861, 1909 and 1919.

Books Recommended:

- R.C.Majumdar : British Paramountcy and Indian Renaissance, Vol. IX & X.
- S.Gopal : British Policy in India (1858-1905).
- D.Agrov : Moderates and Extremists.
- William Wedderburns : A.O. Hume, Father of the National congress (Reprint).
- S.Gopal : Viceroyalty of Lord Rippon.
- H.L. Singh : Problem and Politics of the British in India.
- M.S.Jain : Aligarh Movement.
- Ronald Shay : Curzon.
- Anil Seal : The Emergence of the Indian Nationalism.
- S.R.Mehra : The Emergence of the Indian Nationalism Congress.
- Andrews and Mukerjee : The Rise and Growth of the Congress.
- B.L.Grover : British policy towards Indian Nationalism.
- Amlesh Tripathi : The Extremist Challenge.
- Thomas Metcalfe : Aftermath of the Revolt.
- Bruce T.Mac Clane : Education and the Emergence of Indian Nationalism.
- Wolpert : Tilak and Gokhale.

PAPER VIII-MODERN INDIA AND ITS INSTITUTIONS (1919-1950 A.D.)

Max.Marks: 100

3 hrs. Duration

Note : The question paper shall contain three sections. Section-A shall contain 10 questions two from each unit of 2 marks each. The candidate is required to answer all the questions. The answer should not exceed 50 words. Section-B shall contain 5 questions one from each unit with internal choice. Each question shall be of 7 marks. The answers should not exceed 200 words. The candidate is required to answer all the questions. Section-C shall contain 5 questions of 15 marks each, one from each unit. The candidate is required to answer any three questions. The answer shall not exceed 500 words.

UNIT-I

The Non-Cooperation, Khilafat, Civil Disobedience and Quit India Movements, Role of the Revolutionaries with special reference to Chandra Shekhar and Bhagat Singh.

UNIT-II

Round Table Conference : A Study of the Act of 1935.

Yansal

India's Independence and the New Constitution of India, a Study of the main features of the Constitution.

UNIT-III

Ali Brothers and Maulana Azad.
The Communal Award.
Jinnah's role in the Partition of India.
Factors Leading to the Partition of India.

UNIT-IV

The Growth of the Socialist Movement: Jawahar Lal Nehru; Subhash Chandra Bose, Acharya Naredra Dev and Jai Prakash Narayan. Revolutionaries.

UNIT-V

Gandhi's Programmes : His Political, Economic and social ideas.
Depressed class movement and the problem of Untouchability, Role of Ambedkar.

Books Recommended:

R.C. Majumdar : Struggle for Freedom, Vol. XI, Vidhya Bhawan, Bombay.
Amlesh Tripathi : The Extremeist Challenge.
Lal Bahadur : The Muslim League.
B.R.Nanda : Gandhi-A-Biography.
L.P.Sinha : The Left Wing in India.
Wolpert : Tilak and Gokhale.

For Further Reading:

V.P.Menon : The Transfer of Power in India.
Tarachand : History of the Freedom Movement (in 2 Vols.)
Jawahar Lal Nehru : Autobiography.
Haithcox : Communism and Nationalism in India.
M.R. Pandey : Source Material for a History of the Freedom Movement in India, Vol I and II.
Rajendra Prasad : India Divided.
Maulana Abdul Kalam Azad : India Wins Freedom.
Subhash Chandra : The India Wins Freedom.
S.Gopal : The Viceroyalty of Lord Irwin, 1926-31.
V.Chirol : Indian Unrest.
M.S. Jain : Muslim Rajnitik Chintan ka Itihas.
S.R. Malhotra : The Emergence of Indian National Congress.
V.P.S. Raghuvanshi : Indian National Movement (in Hindi also).
C.H.Phillips and M.D. Wainwright : The Partition of India (1935-47).
Campbell Jonson : Mission with Mountbatten.

PAPER IX(a) : SOCIAL AND ECONOMIC HISTORY OF MODERN INDIA

3 hrs. Duration

Max.Marks: 100

Note : The question paper shall contain three sections. Section-A shall contain 10 questions two from each unit of 2 marks each. The candidate is required to answer all the questions. The answer should not exceed 50 words. Section-B shall contain 5 questions one from each unit with internal choice. Each question shall be of 7 marks. The answers should not exceed 200 words. The candidate is required to answer all the questions. Section-C shall contain 5 questions of 7 marks each, one from each unit. The candidate is required to answer any three questions. The answer shall not exceed 500 words.

16. Owen M. Lych : The Politics of Untouchability
17. Myron Weiner : Party Politics in India
18. E. Eulau (Ed.) : Political behavior
19. W. Kornhauser : Politics of Mass Society
20. Marion J. Levy : Modernization and the structured societies
21. H. Hyman : Political socialization and Political Development
22. D. Lerner : The Passing of Traditional society
23. L.T. Rudolph and Sussan Rudolph : The Modernity of Tradition

ONE PAPER IS TO BE OFFERED FROM THE FOLLOWING PAPERS
Paper IX Either

(i) HUMAN RIGHTS AND DUTIES : THEORIES AND PRACTICE

Note : The question paper shall contain three sections. **Section-A** shall contain 10 questions, two from each unit of 2 marks each. The candidate is required to answer all the questions. The answers should not exceed 50 words. **Section-B** shall contain 5 questions, one from each unit with internal choice. Each question shall be of 7 marks. The answers should not exceed 200 words. The candidate is required to answer all the questions. **Section-C** shall contain 5 questions of 15 marks each, one from each unit. The candidate is required to answer any three questions. The answer shall not exceed 500 words.

Unit-I

Meaning and Nature of Human Rights and Duties; Basic concepts: Individual, Group, State, Civil Society, Liberty, Equality, Justice and Violence; Human Values : Humanity, Compassion and Virtues.

Unit-II

Human Rights and Duties : Origin and Evolution. Natural, Civil, and Political Rights; Individual vis-a-vis Society and State. The Contribution of Magna Carta, American Bill of Rights; The French Revolution and its Goals; Marxist Revolution and Freedom Movements with special reference to India.

Universal Declaration of Human Rights (1948): International conventions and Declaration Relating to specific Groups (Women, Child, Minorities, Refugees) and Rights (Religious Freedom, Torture, Development, Sexual and Racial Discrimination).

Unit-III

International Covenant on Civil and Political Rights; International Covenant on Economic, Social and Cultural Rights.

UN Organs - UN Commission on Human Rights, UN Children Fund, UN Commission on the Status of Refugees (UNCHR), UN Commission on the Status of Women, International Labour Organisation, UN Educational, Scientific and Cultural Organisation (UNESCO); **Universal Human Rights :** Changing World Order.

Unit-IV

Human Rights and Duties in India :

Constitutional Vision of Freedom (Fundamental Rights), Constitutional Vision of Justice (Directive Principles of State Policy); Constitution and Duties. Judicial Activism and Public Interest Litigation; Legislation for Weaker Sections and Enforcement.

Unit-V

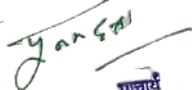
Human Rights; Issues in Enforcement and Trends: National Human Rights Commission; State Human Rights Commission;

NGOs and Human Rights Movement: Amnesty International, Asia Watch, People's Union for Civil Liberties (PUCE) and People's Union for Democratic Rights (PUDR). Globalization and Human Rights: New Social Movement, Democratic Struggle and Human Rights; the Problem of the Rights to Development - the Problem of the Rights to Life and Needs and Clean Environment.

Need for Spelling Out Human Duties and Eternal Human Values.

Suggested Books :

1. Basu : Human Rights in Constitutional Law, Prens
2. Begum Dr. S.Meharaty : Human Rights in India - Issues and Perspectives
3. Denjeli Yael, Elsa Stamatopoulon and Clarenaca J. Dias (Editor) : The Universal Declaration of Human Rights - Fifty Years and Beyond .
4. Jaswal, P.S. : Human Right and the Law
5. Johari, J.C. : Human Rights and New world order : Towards perfection of the Democratic way of Life
6. Kaushik, V. : Women's Movements and Human Rights
7. Nirmal, Chiranjive J. : Human Rights in India: Historical, Social and Political Perspective


 प्राचार्य
 राजकीय महिला महाविद्यालय
 सादरुवाहन

Paper - II 3 Hours duration 100 marks

Paper - I RESEARCH METHODOLOGY

Unit I

Social Research and Social Survey- Meaning, Nature, Stages and types.

Unit II

Data, Forms and Sources, Hypothesis, Concept, type and Sources.

Unit III

Sampling - Concept, type, importance and limitations, Case Study Method.

Unit IV

Techniques of Data Collection - Observation, Interview, Schedule & Questionnaire, Questionnaire Construction

Unit V

Tabular presentation of Data, Bivariate and Multivariate Average Mean, Mode, Median.

Essential Readings:

1. Elmhurst D.N. Principles of Statistics (Hindi & English Ed.)
2. Goode & Hatt Methods in Social Research
3. Jhoda & Others. Research Method in Social Relation.
4. Moser, C.A. Survey Method in Social Investigation (English & Hindi Ed.)
5. P.V. Young - Scientific Social Survey and Research (English & Hindi Ed.)

B.A. Part II, 2021

Paper II- Social Problems in Contemporary India

Unit I

Social Problem: meaning, concept and types. Crime and Delinquency: meaning, causes, types, theories and remedies.

Unit II

Issue of Population during 20th Century : Population Problem, Population Education and programmes of control. Population Control -measures, causes for success and failure.

Issue of Population in 21st Century : Demographic Dividend

Unit III

Problem of Youth, Drug Abuse and AIDS, Problems of Women in India, Women Empowerment, Female foeticide.

Unit IV

Poverty, Unemployment and Illiteracy :causes forms and remedies. Human rights and Social Problems, Environment degradation and solutions.

Unit V

Social Problems of special groups in India-The Scheduled castes, Scheduled Tribes and Other Backward classes. Problems of Minorities and Communalism.

Essential readings:

Ahuja Ram.	:	Social Problems in India, Jaipur, Rawat.
Beteille, Andre. 1974.	:	Social Inequality, New Delhi, Oxford University Press.
Beteille, Andre. 1992.	:	Backward Classes in Contemporary India, New Delhi, Oxford University press.
Berremen, G.D.1979.	:	Caste and other Inequalities: Essay in Inequality. Meerut, Folklore Institute
Guha, Ranjit, 1991.	:	Subaltern Studies, New York, Oxford University Press.
Kothari, Rajni (Ed)1973.	:	Caste in Indian Politics
Madan, G.R.	:	Social Problems in India
Madan, T.N. 1991.	:	Religion in India, New Delhi, Oxford University Press- India Year Book,
NBT, New Delhi.	:	

समाजशास्त्र

परीक्षा योजना

Yansal
 प्राचार्य
 राजकीय महिला महाविद्यालय
 सादरगढ़