

# University Centre for Distance Learning



Syllabi & Scheme of Examination  
B.A.(General)-1<sup>st</sup> Year

## Chaudhary Devi Lal University Sirsa (Haryana)

Website:- [www.cdlu.ac.in](http://www.cdlu.ac.in)



**B.A-1<sup>st</sup> Year**  
**Syllabus and Scheme of Examination**

<b>Paper Code</b>	<b>Name of Paper</b>	<b>Time</b>	<b>Max. Marks</b>
BA01	English-A	3 Hours	40+10
	English-B	3 Hours	40+10
BA02	Hindi	3 Hours	80+20
EVS	Environment Studies		
BA03	Public Administration	3 Hours	80+20
BA04	Economics	3 Hours	80+20
BA05	Mathematics	3 Hours	80+20
BA06	Introduction to Mass Media	3 Hours	80+20
BA07	Political Science (Indian Govt. of Politics)	3 Hours	80+20
BA08	History (History of India from earliest to 1526 AD(361)	3 Hours	80+20
BA09	Punjabi (Elective)	3 Hours	80+20
BA10	Sanskrit (Elective)	3 Hours	80+20
BA11	Sociology (Introduction to Sociology)	3 Hours	80+20

**B.A. (GENERAL) PART-I  
ENGLISH (BA01)**

**Max. Marks: 40+10  
Time: 3 Hours**

**Paper – A**

**Texts Prescribed:**

A. **Chronicles of Time** edited by Asha Kadiyan, Reader in English, M.D. University.

**Deletions:**

- (i) “Lesiure” by W.H. Davies
- (ii) “The Flute Player of Brindaban” by Sarojini Naidu
- (iii) “The Soldier” by Rupert Brooke

B. **The Pointed Vision:** An Anthology of Short Stories by Usha Bande and Krishna Gopal (Oxford University Press, New Delhi)

C. **Ideas Aglow** edited by V.B. Abrol and Dinesh Kumar

**Deletions:**

- (i) “It’s Question Times” by Jayan V. Narikar.
- (ii) “An Interview with Christian Bernard” by N. Ram
- (iii) “Inhumanisation of War” by Huck Gutman

**SCHEME OF EXAMINATION**

Q.1 Comprehension passages.

- (A) One passage with internal choice from book of poems.
- (B) One passage with internal choice from book of essays.

(10 Marks)

Q.2 Short-answer type questions based on short stories four questions to be attempted out of given eight.

(8 Marks)

Q.3 Essay-type question with internal choice on the basis of poems prescribed.

(8 Marks)

Q.4 Essay-type question with internal choice on the basis of essays prescribed.

(8 Marks)

Q.5 Essay-type question with internal choice on the basis of short stories prescribed.

(6 Marks)

**B.A. (GENERAL) PART-II  
ENGLISH (BA01)**

**Max. Marks: 40+10**

**Time: 3 Hours**

**Paper – B**

Texts Prescribed: **A Remedial English Grammar for Foreign Students** by F.T. Woods.

**Deletions**

- (i) Tag Questions.
- (ii) Confusion of Adjective and Adverbs
- (iii) Adverbial use of No, Not and None
- (iv) The Prop word one
- (v) Redunant Pronouns and Prepositions.
- (vi) The use of Correlatives
- (vii) Errors in the use of Individual words.
- (viii) Please & Thank You, Dates and Times, Greetings and Solutions.

- Q.1 Items based on the examples/exercises given in the prescribed textbook of Grammar.  
(15 Marks)
- Q.2 Unseen comprehension passage (with four questions at the end)  
(8 Marks)
- Q.3 Paragraph.  
The candidate will be required to write a paragraph on any one of the five given topics.  
(6 Marks)
- Q.4 Letter/Application  
(Students will be asked to write a letter or an application. The question will carry internal choice).  
(6 Marks)
- Q.5 Translation (from Hindi to English of a passage consisting of 6 to 8 sentences)  
(5 Marks)

## Hindi (BA02)

### हिंदी (अनिवार्य)

पूर्णांक : 80+20

आंतरिक मूल्यांकन : 20

समय : 3 घंटे

#### पाठ्य पुस्तक

1. 'काव्य शिखर' मदवि रोहतक
2. 'गद्य शिखर' नामक गद्य-संकलन कु.वि.कु. जिसमें पांच कहानियां और पांच निबंध संकलित होंगे।

#### निर्देश :

1. पहला प्रश्न 'काव्य शिखर' नामक काव्य संग्रह से व्याख्या के रूप में होगा। पाठ्य पुस्तक में निर्धारित कवियों में से किन्हीं चार कवियों की चार व्याख्याएं पूछी जाएंगी। परीक्षार्थियों को उनमें से किन्हीं दो की सप्रसंग व्याख्या करनी होगी। प्रत्येक व्याख्या 7+7 अंकों की होगी और पूरा प्रश्न 14 अंकों का होगा।
2. किन्हीं दो कवियों का साहित्यिक परिचय पूछा जाएगा, जिसमें से परीक्षार्थियों को एक का उत्तर देना होगा। इस प्रश्न के लिए 8 अंक निर्धारित होंगे।
3. निर्धारित कवियों में से किन्हीं दो पर 'अनुशीलनी' में से दो आलोचनात्मक प्रश्न पूछे जाएंगे। परीक्षार्थियों को किसी एक का उत्तर देना होगा। इस प्रश्न के लिए 10 अंक निर्धारित हैं।
4. लघुत्तरी प्रश्न द्रुतपाठ में निर्धारित चार कवियों (अमीर खुसरो, विद्यापति, भूषण, घनानंद) पर पाठ्य पुस्तक की 'अनुशीलनी' में से ही एक-एक प्रश्न अर्थात् चार प्रश्न पूछे जाएंगे। जिनमें से परीक्षार्थियों को किन्हीं दो प्रश्नों के संक्षिप्त उत्तर देने होंगे। प्रत्येक प्रश्न 4-4 अंकों का होगा और पूरा प्रश्न 8 अंक का होगा।
5. निर्धारित पाठ्य पुस्तक 'गद्य शिखर' संकलित निबंधों और कहानियों में से व्याख्या के लिए दो-दो अवतरण दिए जाएंगे जिनमें से परीक्षार्थियों को प्रत्येक में से एक-एक अवतरण की सप्रसंग व्याख्या करनी होगी। प्रत्येक व्याख्या 7 अंकों की होगी और पूरा प्रश्न 14 अंकों का होगा।
6. निर्धारित कहानियों, निबंधकारों में से एक-एक का साहित्यिक परिचय पूछा जाएगा जिसमें से परीक्षार्थियों को किसी एक का उत्तर देना होगा। इस प्रश्न के लिए 8 अंक निर्धारित हैं।
7. निर्धारित लेखकों में से किन्हीं दो पर 'अनुशीलनी' में से दो आलोचनात्मक प्रश्न पूछे जाएंगे। परीक्षार्थियों को किसी एक का उत्तर देना होगा। इस प्रश्न के लिए 10 अंक निर्धारित हैं।
8. लघुत्तरी प्रश्न द्रुतपाठ में निर्धारित दो कहानीकारों (मोहन राकेश और मालती जोशी) और निबंधकारों (महावीर प्रसाद द्विवेदी और सरदार पूर्ण सिंह) पर पाठ्यपुस्तक की 'अनुशीलनी' में से एक-एक अर्थात् 4 प्रश्न पूछे जाएंगे जिसमें परीक्षार्थियों को किन्हीं दो प्रश्नों के संक्षिप्त उत्तर देने होंगे। प्रत्येक प्रश्न 4-4 अंकों का होगा और पूरा प्रश्न 8 अंक का होगा।
9. अंतिम प्रश्न व्याकरण का होगा जिसके लिए 10 अंक निर्धारित हैं। इसके अंतर्गत वर्तनी, पर्याय, विलोम, लोकोक्ति और मुहावरे, वाक्य के लिए एक-एक शब्द निर्धारित है। इसमें 10 अनिवार्य वस्तुनिष्ठ प्रश्न होंगे। प्रत्येक प्रश्न के लिए 4 विकल्प होंगे जिसमें से एक शुद्ध उत्तर देना होगा।

# ENVIRONMENT STUDIES (EVS)

## SCHEME AND SYLLABUS FOR THE SUBJECT OF ENVIRONMENTAL STUDIES

**Scheme of Examination:** In case of awarding the marks, the question paper should carry 100 marks. Ten structure of the question paper being:-

<b>Paper-I</b>	PART-A	Short Answer Pattern	20 Marks
	PART-B	Essay Type with inbuilt choice	40 Marks
		Internal Assessment	15 Marks
<b>Paper-II</b>	PART-C	Field Work (Practical)	25 Marks

The examination of this compulsory qualifying subject of Environmental Studies in case of the UCDL candidates will also be conducted by the Examination Branch of the University alongwith the annual examinations of other theory papers of the UCDL candidates of the respective UG streams. With regard to the Field Work (Practical), the UCDL candidates will be required to submit a Report of Practical Assignment of around 20 pages neatly written/typed, duly bound by 31<sup>st</sup> May of the session which will be got evaluated by the Examination Branch of the University as in case or practical Assignment/Project Report submitted by the UCDL candidates of other courses.

### Instructions for the Examiners:

**Part-A** Question 1 is compulsory and will contain ten short- answer type questions of 2 marks each covering the entire syllabus.

**Part-B** Eight essay type questions (with inbuilt choice) will be set from the entire syllabus and the candidates will be required to answer any four of them. Each essay type question will be of the 10 marks.

### PCP/Contact Classes:

The subject of Environmental Studies will also be taken up in the PCPs/Contact Classes to be arranged by the University with number of lectures at par with other subjects/papers of the respective courses.

Each candidate will be required to score minimum of 35% marks each in theory and Practical separately. The marks obtained in this qualifying paper will not be included in determining the percentage of marks/division obtained by them for the award of 'degree'. However, these will be shown in the detailed marks certificate of the subject.

The candidates, who will not able to pass in the subject of Environmental Studies (Theory and/or Field Work/Practical) in 1st year will have to qualify the same by appearing in the examination of Environment Studies in 2nd year or 3rd year or thereafter by submitting a separate examination form and examination fee of Rs.50/- an ex-student as in the case of "Reappear/Compartment" candidates. There will, however, be no supplementary examination in the subject of Environmental Studies.

**CORE MODULE SYLLABUS FOR ENVIRONMENTAL STUDIES FOR UNDER GRADUATE  
COURSES OF ALL BRANCHES OF HIGHER EDUCATION  
(AS APPROVED BY THE UGC)**

The **Multidisciplinary nature** of environmental studies; Definition; Scope and Importance, Need for public awareness.

**Natural Resources**

Renewable and non-renewable more 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 ground water, 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 non-renewable 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.

**Ecosystem**

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

**Biodiversity and its Conservation**

- Introduction-Definition: genetic, species and ecosystem diversity.
- Biogeographically classification of India.
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option value.
- 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 and biodiversity.

**Environmental Pollution**

**Definition**

Cause, 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 Pollution
- Solid Waste Management: Cause, 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.

### **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
- Environment ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- Wasteland reclamation
- Consumerism and waste products.
- Environment Protection Act.
- Air (Prevention and Control of Pollution) Act.
- Water (Prevention and Control of Pollution) Act.
- Wildlife Protection Act
- Forest Conservation Act.
- Issue involved in enforcement of environment legislation
- Public Awareness

### **Human Population and the Environment**

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

### **Field Work (Practical)**

- Visit to a local area to document environmental assets- river/forest/grasslands/hills/mountain
- Visit to local polluted site- Urban/Rural/Industrial/Agricultural
- Study of common plant, insects, birds
- Study of simple ecosystem-pod, river, hill slopes etc.

### **References:**

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ., Ltd., Bikaner
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380013, India. Email: [mapin@icenet.net](mailto:mapin@icenet.net) (R)
3. Brunner, R.C. 1989, Hazardous Waste Incineration, McGraw Hill Incl., 480p.
4. Clerk, B.S. Marine Pollution. Clarendon Press Oxford (TB)
5. Cunningham, W.P. Cooper, T.H. Gorhani, E. & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p.
6. De A.K. Environmental Chemistry, Wiley Eastern Ltd.



7. Down to Earth, Centre for Science and Environment (R)
  8. Gleick, H.P. 1993. Water in crisis, Pacific Institute for Studies in Dev., Environment & Security, Stockholm Env. Institute. Oxford University Press, 473p.
  9. Hawkins, R.E. Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
  10. Heywood, V.H. & Watson, R.T. 1995. Global Biodiversity Assessment, Cambridge University Press. 1140p.
  11. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws, Himalaya Pub. House, Delhi, 284p.
  12. McKinney. M.L. & Schoch, R.M. 1996. Environmental Science Systems & Solutions Web Enhanced edition, 639p.
  13. Mhaskar, A.K., Matter Hazardous, Techno-Science-Publication (TB)
  14. Miller, T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
  15. Odum, B.P., 1971. Fundamentals of Ecology, W.B. Saunders Co. USA, 574p.
  16. Rao M.N. & Datta, A.K. 1987. Waste Water Treatment. Oxford & IBH Publ. Co. Pvt. Ltd., 345p.
  17. Sharma, B.K., 2001. Environmental, Chemistry, Goel Publ. House, Meerut
  18. Survey of the Environment, the Hindu (M)
  19. Townsend C, Harper J. and Michel Begon, Essentials of Ecology, Blackwell sciences (TB)
  20. Trivedi, R.K. Handbook of Environmental Laws, Rules, Guidelines Compliances and Standards, Vol.I and II, Enviro Media (R)
  21. Trivedi, R.K. and P.K. Goel, Introduction to air pollution, Techno-science Publications (TB)
  22. Wagner, K.D., 1998. Environmental Management, W.B. Saunders Co. Philadelphia USA, 499p.
- (M) Magazine  
 (R) Reference  
 (TB) Textbook

# **PUBLIC ADMINISTRATION (BA03)**

## **Syllabus and Course of Reading**

Maximum Marks – 100  
Theory – 80  
Internal Assessment – 20  
Time – 3 hours

### **One Paper:- Elements of Public Administration**

**Note:** The question paper will be of 80 marks and it will consist of 9 questions, out of which the candidates would be required to attempt five questions. The first question will be compulsory which will include eight short questions. The candidates have to attempt any four questions out of the remaining questions. All questions will carry equal marks. Meaning, Nature, Scope and Significance of Public Administration; its relation with Political Science, Economics, History, Psychology, Sociology and Law, Public and Private Administration.

Organization, meaning and basis, Principles of Organization; Hierarchy, Span of Control, Co-ordination, Decentralization, Supervision and Communication, Public Relations: Meaning, Methods and Significance, Administrative Law, Delegated Legislation, Administrative Tribunals.

Forms of Administrative Organization, Department, Public Corporations, Parliamentary and Government Control over Public Corporation, Independent Regulatory Commissions, Staff and Line Agencies.

Personnel Administration: Recruitment, Training, Promotion, Public Service Commission, Morale, Joint Consultative Machinery (Whitely Councils).

Financial Administration, Principle of Budget making, Preparation and passing of the Budget, Audit and its significance, Parliamentary control over Public Finance, Accountability of Public Administration, Legislature and Judicial

### **Books Recommended:**

1. Lok Prashasan : Avasthi and Maheshwari (Hindi and English)
2. Lok Prashasan : M. P. Sharma (Hindi and English)
3. Lok Prashasan Ke Naye Kshitij: P.D. Sharma and H.C. Sharma
4. Lok Prashasan : R.L. Singh (Theory and Practice)
5. Lok Prashasan Ke Tatva : K.K. Puri and G.S. Barara
6. Public Administration : A.R. Tyagi Principles and Practice
7. Public Administration : C.P. Bhambri Theory and Practice
8. Public Administration : D.R. Sachdeva and Meena Concepts and Application
9. Public Administration : Mohil Bhattacharya
10. Public Administration : Vidya Bhushan and (Hindi and English)  
Dr. Vishnoo Bhagwan
11. Public Administration : Jyoti Book Depot, Dr. Pradeep Sachdeva

# **ECONOMICS (BA04)**

Maximum Marks – 100  
Theory – 80  
Internal Assessment – 20  
Time – 3 hours

**Note:** The question paper will be of 80 marks and it will consist of 9 questions, out of which the candidates would be required to attempt five questions. The first question will be compulsory which will include eight short questions. The candidates have to attempt any four questions out of the remaining questions. All questions will carry equal marks.

**Preamble:**

The units incorporated in this paper (Part-A) deal with the nature and scope of economics, the theory of consumer behaviour, analysis of production function and equilibrium of a producer, the price formation in different market structures and the equilibrium of a firm and industry. In addition, the principles of factor pricing and commodity pricing have been included.

The purpose of the Part-B of the course is to enable students to have an understanding of the various issues/components of the Indian economy so that they are able to comprehend and critically appraise current Indian economics problems.

## **Economics**

Introduction: Nature and Scope of Economics: Choice as an economic problem

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.

Market Structure and Commodity Pricing: Market forms-Perfect and imperfect markets; Equilibrium of a firm-Perfect competition, monopoly and price discrimination; Measures of Monopoly power, Monopolistic competition.

Factor Pricing: Marginal Productivity theory of distribution

Basis features, problems and planning in India; Characteristics of Indian economy; Problems of poverty, inequality and unemployment; Objectives of Planning in India-achievements and failures; New Economics Reforms-a basic idea.

Agriculture: Nature and Importance; Trends in Agricultural production and productivity, Factors determining productivity; Rural credit, Agricultural marketing.

Industry: Industrial development during the planning period; New Industrial Policy; Growth and Problems of small scale industries.

# MATHEMATICS (BA05)

## ALGEBRA AND TRIGONOMETRY (BM101)

Max. Marks : 26  
Internal Assessment: 08  
Time: 3 Hours

### Section-I (3 Questions)

Mapping, Equivalence relations and partitions. Congruence Modulo  $n$ .

Symmetric, Skew symmetric, 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.

Eigenvalues, eigenvectors and the characteristics equation of matrix. (Cayley Hamilton theorem and its use in finding inverse of a matrix. Applications of matrices to a system of linear (both homogenous and non-homogenous) equations. Theorem on consistency of a system of linear equations.

### Section-II (2 Questions)

Relations between the roots and coefficients of general polynomial equation in one variable. Transformation of equations, Descartes' rule of signs. Solution of cubic equations (Cardan method). Biquadratic equations.

### Section-III (3 Questions)

Definition of a group with examples and simple properties. Subgroups. Generation of groups. Cyclic groups. Coset decomposition. Lagrange's theorem and its consequences. Fermat's and Euler's theorems. Homomorphism and Isomorphism. Normal Subgroups. Quotient groups. The fundamental theorem of homomorphism. Permutation groups. Even and odd permutations. The alternating groups And Cayley's theorem. Introduction to rings, subrings, integral domains and fields. Characteristic of a ring.

### Section-IV (2 Questions)

De Moivre's theorems and its applications.

Direct and inverse circular and hyperbolic functions. Logarithm of a complex quantity. Expansion of trigonometrical functions. Gregory's series. Summation of series.

**Note:** The examiner is requested to set ten questions in all, selecting questions section-wise as indicated in the syllabus. The candidate is required to attempt five questions selecting at least one question from each section.

**Books Recommended:**

1. I.N. Herstein, Topics in Algebra, Wiley Eastern Ltd., New Delhi, 1975
2. P.B. Bhattacharya S.K. Jain and S.R, Nagpaul, First Course in Linear Algebra, Wiley Eastern, New Delhi, 1983.
3. P.B. Bhattacharya, S.K. Jain and S.R. Nagpaul, Basic Abstract Algebra.
4. H.S. Hall and S.R. Knight, Higher Algebra, H.M. Publications, 1994
5. Shanti Narayan, A. Text-Book of Matrices.
6. Chandrika Prasad, Text-Book on Algebra and Trigonometry and Theory of Equations, Pothishala Private Ltd. Allahbad.
7. S.L. Loney, Plane Trigonometry Part-II, Macmillan and Company, London.
8. R.S. Verma and K.S. Shukla, Text-Book on Trigonometry, Pothishala Pvt. Ltd. Allahabad.

**CALCULUS (BM 102)**

**Max. Marks : 27**  
**Internal Assessment : 06**  
**Time : 3 Hours**

**Section-1 (3 Questions)**

Definition of the limit of a function. Basic properties of limits. Continuous function and classification of discontinuities. Differentiability. Successive differentiation. Leibnitz theorem. Maclaurin and Taylor series expansions Asymptotes. Curvature. Tests for concavity and convexity. Points in Inflexion. Multiple Points. Tracing of Curves in Cartesian and polar coordinates.

**Section-II (3 Questions)**

Reduction formulate, Quadrature, Rectification. Volumes and surfaces of solids of revolution.

**Section-III (2 Questions)**

Exact differential equations. First order higher degree equations solvable for X, Y, P, Clairaut's form and singular solution. Geometrical meaning of a differential equation. Orthogonal Trajectories. Linear differential equations with constant coefficients. Homogeneous linear ordinary differential equations.

**Section-IV (2 Questions)**

Linear differential equations of second order. Transformation of the equation by changing the dependent variable/the independent variable. Method of variation of parameters

**Ordinary simultaneous different equations.**

**Note:** The examiner is requested to set ten questions in all selecting questions section-wise as indicated in the syllabus. The candidate is required to attempt five questions selecting at least one question from each section.

### **Books Recommended**

1. Differential & Integral Calculus by Shanti Narayan.
2. Murray R. Spiegel, Theory and Problems of Advanced Calculus, Schaum's outline series, Schaum Publishing Co., New York.
3. N. Piskunov, Differential and Integral Calculus, Peace Publishers, Moscow
4. Gorakh Prasad. Differential Calculus, Pothishala Pvt. Ltd., Allahabad.
5. Gorakh Prasad. Integral Calculus, Pothishala Pvt. Ltd., Allahabad.
6. D.A. Murray, Introductory Course in Differential Equations, Orient Longman (India), 1967.
7. E.A. Coddington. An Introduction to Ordinary Differential Equations, Prentice Hall of India, 1961.
8. H.T.H. Piaggic, Elementary Treatise on Differential Equations and their Applications, C.B.S. Publisher & Distributors, Delhi, 1985.

## VECTOR ANALYSIS AND GEOMETRY (BM 103)

Max. Marks : 27  
Internal Assessment: 06  
Time: 3 Hours

### Section-1 (2 Questions)

Scalar and vector product of three vectors. Product of four vectors. Reciprocal Vectors. Vector differentiation. Gradient, divergence and curl.

### Section-II (2 Questions)

Vector Integration, Theorems of Gauss, Green, Stokes and problems based on these.

### Section-III (3 Questions)

General equation of second degree. Tracing of conics. System of conics. Confocal conics. Polar equation of a conic. Sphere, Cone, Cylinder.

### Section-IV (3 Questions)

Central Conicoids. Paraboloids. Plane Sections of Conicoids. Generating lines, Confocal Conicoids. Reduction of Second degree equations.

**Note:** The examiner is requested to set ten questions in all selecting questions section-wise as indicated in the syllabus. The candidate is required to attempt five questions selecting at least one question from each section.

### Book Recommended

1. Murray R. Spiegel, Theory and Problems of Advanced Calculus, Schaum Publishing Company, New York.
2. Murray R. Spiegel, Vector Analysis, Schaum Publishing Company, New York
3. N. Saran and S.N. Nigam, Introduction to Vector Analysis, Pothishala Pvt. Ltd. Allahabad
4. Shanti Narayana, A.Text-Book of Vector Calculus, S. Chand & Co., New Delhi.
5. S.L. Loney, The Elements of Coordinate Geometry, Macmillan and Company, London.
6. Gorakh Prasad and H.C. Gupta, Text Book on Coordinate Geometry, Pothishala Pvt. Ltd., Allahabad.
7. R.J. T. Bell, Elementary Treatise on Coordinate Geometry of Three Dimensions, McMillan India Ltd., 1994
8. N. Saran and R.S. Gupta, Analytical Geometry of Three Dimensions, pothishala Pvt. Ltd., Allahabad
9. Shanti Narayan, Solid Geometry.

# **INTRODUCTION TO MASS MEDIA (BA06)**

Maximum Marks – 100  
Theory – 80  
Internal Assessment – 20  
Time – 3 hours

Note:- The question paper will be of 80 marks and it will be consist of 9 question, out of which the candidates would be required to attempt five question. The first question will be compulsory which will include eight short questions. The candidates have to attempt any four questions out of the remaining questions. All questions will carry equal marks.

Communication as Social Science  
Communication and Language  
Communication and Information  
The Right to Communication  
Theories of Press/Media  
Authoritarian Theory  
Libertarian of Free Theory  
Social Responsibility Theory  
Soviet Media Theory  
Development Communication Theory  
Democratization Theory  
Introduction to Mass Communication  
Introduction to News Paper  
Introduction to Radio  
Introduction to Television  
Introduction to Cinema  
Media Culture  
Culture Definitions Media and Consumerism  
Mass Communication and Society  
Famous, News, Agencies-PTI, AP, UNI.



# **POLITICAL SCIENCE (BA07)**

## **Option (I) Paper: Indian government and Politics**

Maximum Marks – 100  
Theory – 80  
Internal Assessment – 20  
Time – 3 hours

**Note:** Total 10 questions will be set: four each from Part-A and B and two from Part-C. Candidates will have to attempt five questions in all selecting at least one question from each part.

### **Part-A**

The Making of India's Constitution and its sources.

Basic features of India's Constitution

Preamble, Fundamental Rights and Duties, Directive

Principles of State Policy

Union government: President, Parliament, Cabinet and Prime Minister

The State government: Governor, Council of Ministers and the Chief Minister.

### **Part-B**

Centre-State Relations

Supreme Court and the Constitutional Process

Political Parties: National and Regional Parties

The Election Commission and Electoral Reforms

Major Issues in Indian Politics: Caste, Religion, Language, Region, Poverty-Alleviation.

### **Part-C**

Short answer questions, at least four spread over the entire Syllabus. Objective Type (multiple choice) question two marks each spread over the whole Syllabus.

### **Readings:**

1. G Austin, The Indian Constitution: Corner Stone of a Nation, Oxford. Oxford University Press, 1966.
2. G Austin, Working of a Democratic constitution: The Indian Experience. Delhi, Oxford University Press, 2000.
3. D.D. Basu, An Introduction to the Constitution of India, New Delhi, Prentice Hall 1994.

# **HISTORY (BA08)**

## **Option- (i): History of India from Earliest times to 1526 A.D.**

Maximum Marks – 100

Theory – 80

Internal Assessment – 20

Time – 3 hours

1. The question paper will be consist of 11 questions. The candidate will have to attempt 5 questions in all, selecting one question from each unit.
2. There shall be a compulsory question on map carrying 16 marks (10 for map work and 6 for explanatory note). Visually handicapped candidates may not attempt the map questions. In lieu of the map question, they may attempt any other questions. However, in case they wish to attempt the map question, the part relating to the explanatory note will carry full marks.
3. There shall be one objective question. The question will be divided into three parts. Part- I shall have short answer type questions of 8 marks. The Examiner will set 6 short answer type questions out of which candidate will have to attempt 4 questions. Part- II will have 4 multiple choice questions of 4 marks. Part-III shall have matching type questions of 4 marks.

### **Unit-1**

Meaning and scope of History; Sources of Ancient Indian History.

Stone Age Culture – General Features.

Harappan Civilization: Origin and Extent; Town – planning; Social, Economic and Religious condition, Decline.

Vedic Culture: Polity, Society, Economy and Religion.

Social Institutions: Varna, Caste, Marriage, Untouchability and Gender Relations.

Sixteen Mahajanpadas and the rise of magadan Empire.

Rise of Religious Movements: Buddhism and Jainism.

### **Unit-2**

Mauryan Empire: Polity, Administration and Land Revenue System, Ashoka's Dhamma.

Post Mauryan Period- Kushanas polity, Social and Economic condition.

Gupta Empire: Polity, Administration, Land Revenue system, Art, Literature and Science.

Post Gupta period up to 1200 AD: Pushyabhutis, Pratiharas, Palas, Rashtrakutas and Cholas.

Socio- Cultural Trends: Society, Culture Economy during 600-1200 AD.

### **Unit-III**

Invasions of Mahmud Guaznavi and Muhammad Ghori ; Causes and Impact.

Rise and Expansion of Delhi Sultanate: Iltutmish, Balban, Ala-ud-din Khilji and Muhammad Tughlaq.

Fragmentation and Downfall of Delhi Sultanate.

Delhi Sultanate: Polity and Administration, Ruling Classes, Economy- Agriculture, Industry, Trade and Commerce and Techonological Developments.

Bhakti and Sufi Movements.

## **Unit-IV**

Maps

Important Sites of Haryana Culture.

Extent of Ashoka's Empire, Pillars and Edicts

Extent of Kanishka's Empire.

Extent of Harsha's Empire.

Urban Centers of Delhi Sultanate.

## **Unit- V**

Objective Type Questions

### **Suggested Readings:-**

1. Allchin, B. and Allchin, F.R. Rise of Civilisation in India and Pakistan (Delhi : Select Book Service Syndicate, 1983)
2. Basham, A.L. The Wonder that was India (Mumbai, Rupa, 1971)
3. Burton, Stein History of India, Oxford, New Delhi, 1998
4. Burton, Stein Vijaya Nagar, Cambridge, 1989
5. Chakrabarti, D.K. India : An Archaeological History, Palaeolithic beginning to Early Historical Foundation (Delhi OUP, 1999)
6. Dani, A.H. Recent Archaeological Discoveries in Pakistan (Paris, UNESCO, 1998)
7. Harle, J.C. Art and Architecture of the Indian Subcontinent (Penguin, 1986)
8. Jha, D.N. and Shrivastava, K.M. Prachin Bharat Ka Itihas (Delhi, Hindi Directorate, 1990)
9. Majumdar, R.C. et al. History and Culture of the Indian

# Punjabi (Elective) (BA09)

ਬੀ.ਏ. ਭਾਗ ਪਹਿਲਾ

ਕੁਲ ਨੰਬਰ - 100

ਪੇਪਰ - 80

ਇੰਟਰਨਲ ਅਸੇਸਮੇਂਟ - 20

ਸਮਾਂ - 3 ਘੰਟੇ

## ਸਲੇਬਸ ਦੀ ਰੂਪ ਰੇਖਾ

- |   |         |
|---|---------|
| 1. ਚੋਣਵਾਂ (ਕਾਵਿ ਨਾਦ) ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਾਵਿ ਸੰਗ੍ਰਹਿ | 15 ਨੰਬਰ |
| 2. ਪੰਜਾਬੀ ਨਾਵਲ : ਪਵਿੱਤਰ ਪਾਪੀ                    | 15 ਨੰਬਰ |
| 3. ਇਕਾਂਗੀ ਬਹੁਰੰਗੀ                               | 15 ਨੰਬਰ |
| 4. ਨਿੱਜੀ ਚਿੱਠੀ-ਪੱਤਰ ਅਤੇ ਦਫਤਰੀ ਚਿੱਠੀ-ਪੱਤਰ        | 10 ਨੰਬਰ |
| 5. ਵਿਆਕਰਣ (ਮੁਹਾਵਰੇ, ਅਖਾਣ, ਸੁਧ ਅਸੁਧ ਸ਼ਬਦ)        | 15 ਨੰਬਰ |
| 6. ਪ੍ਰਬੰਧਕੀ ਸ਼ਬਦਾਵਲੀ (200 ਸ਼ਬਦ)                 | 10 ਨੰਬਰ |

## SANSKRIT (ELECTIVE) (BA10)

संस्कृत

पूर्णांक : 80+20

आंतरिक मूल्यांकन : 20

समय : 3 घंटे

- घटक-1 : क) श्रीमद्भगवद्गीता, द्वितीय अध्याय (दो श्लोकों का सरलार्थ) 8 अंV  
ख) हितोपदेश (चौखम्बा संस्कृत सीरीज ऑफिस, वाराणसी) : मित्रलाभ (मित्रलाभ-प्रस्तावः से लेकर कथा 3 अर्थात्) गृध्रमार्जारकथा के 114वें श्लोक उत्तमस्याऽनि.....  
सर्वदेवमयोऽतिथिः तक) (दो पाठयांशों की व्याख्या) 8 अंV
- घटक-2 : नीतिशतक (सम्पूर्ण) : 16 अंV  
क) दो श्लोकों का सरलार्थ। (2×5=10अंV)  
ख) एक सूक्ति की व्याख्या। (6 अंV)
- घटक-3 : संस्कृत व्याकरण 16 अंV  
क) शब्द रूप : राम, कवि, भानु, पितृ, लता, मति, नदी, धेनु, मातृ, फल, अस्मिद्, युष्मद्, सर्व, तद्, एतद्, एक, द्वि, त्रि। 8 अंV  
ख) धातु रूप : भू, हस्, नम्, गम्, अस्, हन्, क्र, नी, याच, पठ्, नश्, नृत्, प्रच्छ्, रुच, ह्, भज्, पच् 8 अंV
- घटक - 4 : क) संधि : अच्सन्धि, हल्सन्धि एवं विसर्गसन्धि। 8 अंV  
ख) छन्द : अनुष्टुप, आर्या, इन्द्रवज्रा, उपन्द्रेज्रा, वंशस्थ। शिखरिणी, मन्दाक्रान्ता, वसन्ततिलका, शार्दूलविक्रीडित। 8 अंV

# **Introduction to Sociology (BA11)**

Maximum Marks – 100  
Theory – 80  
Internal Assessment – 20  
Time – 3 hours

**Note:** - The Paper setter shall set 8 questions from all four units with internal choice. However, one compulsory question of short answer type would be set from the entire syllabus comprising four sub-questions of four marks each under 5th Unit. Such way, the examinees are required to attempt five questions in all, of 16 marks each.

## **UNIT – I**

Sociology: Nature, Scope, Significance and growth of Sociology; Relationship with History, Anthropology, Economics, Political Science and Psychology.

## **UNIT – II**

Basic Concepts: Society, Community, Institution, Association, Social Structure, Culture; Social Groups and Types: Primary, Secondary, In group – Out group.

## **UNIT – III**

Social Institutions: Marriage, Family, Kinship, Religion, Economy, Polity.

## **UNIT – IV**

Social Processes: Social Stratification & forms; Socialization; Social Control: Social Change and forms- Modernization and Social Mobility; Social Process- Co-operation, Assimilation, Competition and Conflict.

### **Readings:**

Ahuja, Ram (2001): Indian Social System, New Delhi: Rawat Publication.

Ahuja, Ram (2003): Society in India, New Delhi: Rawat Publication.

Bottomore, T.B. (1972): Sociology: A Guide to Problems and Literature, Bombay: George Allen and Unwin (India).

Giddens, Anthony (2005): Sociology, Polity Press.

Haralambos, M. (1998): Sociology: Themes and Perspective, New Delhi: Oxford University Press.

Inkeles, Alex (1987): What is Sociology? New Delhi: Prentice-Hall of India. Jayaram,

N. (1998): Introductory Sociology, Madras: Macmillan India.

Johnson, Harry M. (1995): Sociology: A Systematic Introduction, New Delhi: Allied Publishers.

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

Merton, R.K.: Social Theory and Social Structure