

**B. A. \ B.Sc (Mathematics) III semester
(Sessions 2021-22. 2022-23, 2023-24)**

Paper-I: Analysis-I

For Regular Students

Maximum Marks: 50 Marks

University Exam: 40

For Distance Education Students /Private Students

Maximum Marks: 50 Marks (No Internal Assessment)

Maximum Time: 3 Hrs.

Teaching Hours : 50

Internal Assessment: 10

INSTRUCTIONS FOR THE PAPER-SETTER(Regular Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 06 marks and Section C will be of 16 marks.

INSTRUCTIONS FOR THE PAPER-SETTER(Distance Education/ Private Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 7.5 marks and Section C will be of 20 marks.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Sections A and B and compulsory question of Section C.

SECTION-A

Sequence: Definition of a sequence, Bounded and Monotonic sequences, Convergent sequence, Cauchy sequences, Cauchy's Convergence Criterion, Theorems on limits of sequences. Sub-sequence, Sequential continuity.

Infinite Series: Definition of a series, Tests of convergence, Comparison test. Cauchy's integral Ratio test, condensation test, Raabe's test, Logarithmic test, Gauss test, Cauchy's root test, Alternating series. Leibnitz's test. Absolute convergence and conditional convergence. Weierstrass M-Test for Uniform convergence of sequence of functions and series of functions. Simple applications. Determination of Radius of convergence of power series. (All Test without proofs only applications)

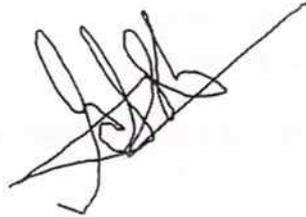
SECTION-B

Improper integrals: Definition, statements of their conditions of existence. Test of the convergence of improper integral, beta and gamma functions and their convergence. Abel's and Dirichlet's tests.

BOOKS RECOMMENDED:

1. Tom.M. Apostol: *Mathematical Analysis*, Second Edition, Addison-Wesley Publishing Company, 1974.
2. W. Rudin: *Principles of Mathematical Analysis*, third edition. McGraw Hill, 2013.
3. S.C Malik, S. Arora: *Mathematical Analysis*, New Age International Publishers, 1992.

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PAPER-II: Linear Programming

For Regular Students

Maximum Marks: 50 Marks

University Exam: 40

For Distance Education Students /Private Students

Maximum Marks: 50 Marks (No Internal Assessment)

Maximum Time: 3 Hrs.

Teaching Hours : 50

Internal Assessment: 10

INSTRUCTIONS FOR THE PAPER-SETTER(Regular Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 06 marks and Section C will be of 16 marks.

INSTRUCTIONS FOR THE PAPER-SETTER(Distance Education/ Private Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 7.5 marks and Section C will be of 20 marks.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Sections A and B and compulsory question of Section C.

SECTION-A

Linear Programming: Formation of LPP, Graphical Method. Theory of the Simplex Method, Standard form of LPP, Feasible solution to basic feasible solution, Improving BFS, Optimality Condition, Unbounded solution, Alternative optimal solution, Correspondence between BFS and extreme points. Simplex Method, Simplex Algorithm, Simplex Tableau. Simplex Method Case of Degeneracy, Big-M Method, Infeasible solution, Alternate solution, Solution of LPP for unrestricted variable.

SECTION-A

Transportation Problem: Formation of TP, Concepts of solution, feasible solution, Finding Initial Basic Feasible Solution by North West Corner Method, Matrix Minima Method, Vogel's Approximation Method. Optimal Solution by MODI method, Unbalanced and maximization type of TP.

Assignment Problem: Maximization, Minimization, Unbalances, With restriction Assignment problems, Algorithm, Hungarian method.

BOOKS RECOMMENDED:

Paper-III: MECHANICS

For Regular Students

Maximum Marks: 50 Marks

University Exam: 40

For Distance Education Students /Private Students

Maximum Marks: 50 Marks (No Internal Assessment)

Maximum Time: 3 Hrs.

Teaching Hours : 50

Internal Assessment: 10

INSTRUCTIONS FOR THE PAPER-SETTER(Regular Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 06 marks and Section C will be of 16 marks.

INSTRUCTIONS FOR THE PAPER-SETTER(Distance Education/ Private Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 7.5 marks and Section C will be of 20 marks.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Sections A and B and compulsory question of Section C.

SECTION-A

Statics: Basic notation, Newton Laws of motion, system of two forces, parallelogram law of forces, resultant of two collinear forces, resolution of forces, moment of a force, couple, theorem on moments of a couple, coplanar forces, resultant of three coplanar concurrent forces, theorem of resolved parts, resultant of two forces acting on a rigid body. Varignon's theorem, generalized theorem of moments.

Equilibrium of two concurrent forces, equilibrium condition for any number of coplanar concurrent forces, Lami's theorem. $\lambda - \mu$ theorem, theorems of moments, resultant of a force and a couple. Equilibrium conditions for coplanar non-concurrent forces.

SECTION-B

Motion of a particle with constant acceleration, acceleration of falling bodies, motion under gravity, motion of a body projected vertically upward, motion of a two particles connected by a string, motion along a smooth inclined plane, constrained motion along a smooth inclined plane. Variable acceleration, Simple harmonic motion, Projectile.

BOOKS RECOMMENDED:

1. S.L. Loney: *The Elements of Statics and Dynamics*, 5th edition, Cambridge University Press, 1947.
2. John I. Synge Byron A. Griffith: *Principles of Mechanics*, 3rd Edition, McGraw-Hill

B. A. \ B.Sc (Mathematics) IV semester

PAPER-IV: Analysis-II

For Regular Students

Maximum Marks: 50 Marks

University Exam: 40

For Distance Education Students /Private Students

Maximum Marks: 50 Marks (No Internal Assessment)

Maximum Time: 3 Hrs.

Teaching Hours : 50

Internal Assessment: 10

INSTRUCTIONS FOR THE PAPER-SETTER(Regular Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 06 marks and Section C will be of 16 marks.

INSTRUCTIONS FOR THE PAPER-SETTER(Distance Education/ Private Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 7.5 marks and Section C will be of 20 marks.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Sections A and B and compulsory question of Section C.

Objective: This course continues the study of Analysis started in Paper II (Analysis I) and will students will study Uniform Convergence, Power Series and Vector Calculus.

SECTION-A

Functions of bounded Variation and Rectifiable Curves: Properties of Monotonic Functions, Functions of Bounded Variation, Total variation, Additive property of total variation, Total Variation on $[a, x]$ as a function of x , functions of bounded variation expressed as the difference of increasing functions, continuous functions of bounded variation, rectifiable curves and arc length. Additive and continuity Property of Arc Length, Equivalence of Paths and Change of Parameter.

SECTION-B

The Riemann-Stieltjes integrals: Definition, elementary properties, integration by parts, change of variable, reduction to Riemann integral, step functions as integrators. Reduction of

Riemann's Condition, Comparison Theorems, Integrators of bounded variation, Mean value theorems for Riemann-Stieltjes integrals, Fundamental theorem of integral calculus, Mean value theorems for Riemann Integrals.

BOOKS RECOMMENDED:

1. T. M. Apostol: *Mathematical Analysis*, Norosa Publishing House, New Delhi, 1985.
2. S. Kumaresan: *Topology of Metric Space*, Alpha Science International Ltd. 2005
3. S. C. Malik, Savita Arora: *Mathematical Analysis*, Wiley, 1984.

The image shows several handwritten signatures and initials in black ink. On the left, there is a signature that appears to be 'Chandul'. To its right is a circular stamp or initial. Further right is a large, complex, and somewhat illegible signature. To the right of that is another signature that looks like 'S. C. Malik'. The handwriting is cursive and somewhat stylized.

Paper-V: Numerical Methods

For Regular Students

Maximum Marks: 50 Marks

University Exam: 40

For Distance Education Students /Private Students

Maximum Marks: 50 Marks (No Internal Assessment)

Maximum Time: 3 Hrs.

Teaching Hours : 50

Internal Assessment: 10

INSTRUCTIONS FOR THE PAPER-SETTER(Regular Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 06 marks and Section C will be of 16 marks.

INSTRUCTIONS FOR THE PAPER-SETTER(Distance Education/ Private Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 7.5 marks and Section C will be of 20 marks.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Sections A and B and compulsory question of Section C.

SECTION-A

Measures of Errors: Relative, absolute and percentage errors. Types of errors: Inherent error, Round-off error and Truncation error.

Bisection method, Regula-Falsi method, Secant method, Fixed-point iteration, Intermediate value theorem. Iteration methods based on first degree equation: Newton-Raphson method, Birge-Vieta method, Bairstrow method.

SECTION-B

Linear System of Equations: Gauss-Elimination method, Pivot element, Pivoting strategies, Partial and complete Pivoting, Gauss Jordan and Triangularization method, Jacobi Method, Gauss Seidel Method, Eigen value problem.

Interpolation: Finite differences, Divided differences, Newton Gregory Forward and Backward formula, Lagrange's Formula, Newton's Formulae, Central Differences, Stirling, Bessel's and Everett's formulae, Error in linear and quadratic interpolation.

BOOKS RECOMMENDED:

3. S.S. Sastry: *Introductory Methods Of Numerical Analysis*, Fifth Edition, Eastern Economy edition, PHI Learning Pvt. Ltd., New Delhi, 2012.
4. Kendall E. Atkinson: *An Introduction to Numerical Analysis*, Wiley, 1978.

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Paper-VI: Number Theory

For Regular Students

Maximum Marks: 50 Marks

University Exam: 40

For Distance Education Students /Private Students

Maximum Marks: 50 Marks (No Internal Assessment)

Maximum Time: 3 Hrs.

Teaching Hours : 50

Internal Assessment: 10

INSTRUCTIONS FOR THE PAPER-SETTER(Regular Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 06 marks and Section C will be of 16 marks.

INSTRUCTIONS FOR THE PAPER-SETTER(Distance Education/ Private Students)

The question paper will consist of three sections A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and Section C will consist of one compulsory question having eight short answer type questions covering the entire syllabus uniformly. Each question in Sections A and B will be of 7.5 marks and Section C will be of 20 marks.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Sections A and B and compulsory question of Section C.

SECTION-A

Divisibility, Greatest common divisor, Fundamental Theorem of arithmetic, congruence, residue classes and reduced residue classes, Euler-Fermat theorem, Wilson's theorem, Linear congruence, Chinese Remainder theorem.

SECTION-B

An Application to cryptography, primitive roots, indices, quadratic residues, Legendre Symbol, Euler's criterion, Gauss Lemma., Quadratic reciprocity Law, Jacobi Symbol. Arithmetic functions $\mu(n)$, $d(n)$, $\phi(n)$, $\sigma_\alpha(n)$, Mobius inversion Formula.

BOOKS RECOMMENDED:

1. David M. Burton: *Elementary Number Theory*, 3rd Edition, McGraw-Hill Higher Education, (scope as in Chapters I-II), 2007.
2. I. Niven, Herbert S. Zuckerman: *An Introduction to the Theory of Numbers*, Wiley Eastern (Scope as in Chapters 1-7), 1976.
3. G.H. Hardy, E.M. Wright: *Number Theory*, Oxford Univ. Press (Scope as in Chapter 19), 2008.

SYLLABUS
B.A. (ECONOMICS)
Pass and Hons. Course PART-II
(Semester System)
Semester – III, IV

For Examinations: 2021-22, 2022-23& 2023-24

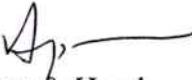
MACRO ECONOMICS AND PUBLIC FINANCE

MACRO ECONOMICS AND INTERNATIONAL ECONOMICS

ECONOMICS (HONOURS)

The candidates will be required to study one paper in each of the semesters III and IV of B.A. Part-II and one paper in each of the semesters V and VI of Part-III from the following list of papers, but the papers selected in a semester must be different than those selected in earlier semester(s).

1. Economics of Agriculture
2. Agricultural Marketing
3. Public Finance
4. Money and Banking
5. History of Economic Thought
6. International Economics
7. Industrial Economics
8. Economics of Public Enterprises
9. Computer Applications in Economics
10. Econometrics


Professor & Head,
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B.A. PART-II (THIRD SEMESTER)

MACRO ECONOMICS AND PUBLIC FINANCE

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION -A

Distinction between Micro and Macro Economics. Determination of Income and Employment: Classical and Keynesian Models. Consumption and Investment Functions: Average and Marginal Propensity to consume: Static and dynamic Multiplier. Investment: Types, Investment demand schedule and factors affecting investment decisions.

SECTION-B

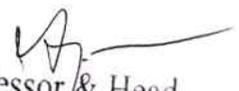
Introduction to Public Finance: Nature, Scope and its Importance. Public Expenditure: Principles, Effects of Public Expenditure on Production and Distribution, Causes for the growth of Public expenditure. Taxation: Classification, Canons and Characteristics of a good tax system. Incidence and Impact of Taxation: Demand and Supply Theory and Modern theory. Public Debt: Its Types and Role. Burden and Methods of Redemption of Public Debt. Deficit Financing: Objectives and Limitations.

RECOMMENDED READINGS

1. T.F. Durnbarg and McDougal: Macro Economics, McGraw Hill, New York, 1976 (full book).
2. O.P.Sharma: Macro Economics (Punjabi Medium), Punjabi University, Patiala.
3. M.C.Vaish, Macro Economic Theory, Oxford University Press.
4. Harvey J and Johnsson M: Introduction to Macro Economics, McMillan and London.

SUPPLEMENTARY READINGS

1. Gardner Ackley: Macro Economic Theory, Macmillan, New York, 1985 (Full book).
2. C.W.Baird: Elements of Macro Economics, West Publishing Company, 1977 (Ch.2.11)
3. A.R. Musgrave and P.B.Musgrave : Public Finance in Theory and Practice, McGraw Hill, International Student's Edition, 1976, Chs. 9 and 16-20.
4. H.Dalton : Principles of Public Finance, London, Routeledge and Kegan Paul, 1936.
5. ਹਿਰਦੂ ਡਾਲਟਨ (ਅਨੁ. ਉਪਦਰਸ਼ਿਤ ਕੌਰ) : ਸਰਕਾਰੀ ਵਿੱਤ ਤੇ ਸਿਧਾਂਤ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.


Professor & Head,
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B.A. PART - II (FOURTH SEMESTER)**MACRO ECONOMICS AND INTERNATIONAL ECONOMICS**

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For Regular Students, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For Private and Distance Education Students, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

SECTION A

Liquidity Preference theory of Interest. Money: its functions and role. Money Market and Capital Market: instruments. Theories of Money: Fisher's and Cambridge's equations. Banking: Definition, types, functions of Banks and Credit Creation. Inflation: Theories of Inflation: Cost-push and Demand pull, and control of Inflation. Trade Cycles: Meaning and Phases. Monetary and Fiscal Policies: objectives and instruments.

SECTION B

Theories of International Trade: Classical and Heckscher and Ohlin Theories: The Principles of Reciprocal Demand and Terms of Trade. W.T.O and its impact on Less Developed Countries. SAARC: Origin and growth of India's Trade with SAARC.

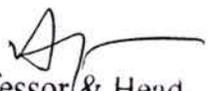
Balance of Payments: Meaning, Concepts and Components of Balance of Payments, causes and measures of its disequilibrium. Rate of Exchange: Meaning and its determination, Mint Parity Theory and Purchasing Power Parity Theory. Fixed Vs Flexible Exchange Rate. IMF and IBRD: Objectives, working and achievements.

RECOMMENDED READINGS

1. C.P.Kindleberger: International Economics, Richard Irwin Homeswood ilinios, Indian Edition, 1977, Part II, III, IV and V.
2. Bo Sodersten: International Economics, Macmillan Press Ltd. 1990, Parts I, III, IV and V.
3. ਰਣਜੀਤ ਸਿੰਘ ਘੁੰਮਣ : ਅੰਤਰਰਾਸ਼ਟਰੀ ਅਰਥਵਿਗਿਆਨ, ਪ੍ਰਕਾਸ਼ਤ ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ.

SUPPLEMENTARY READINGS

1. ਸਰ ਰਾਏ ਹੈਰਡ (ਅਨੂ. ਪ੍ਰੀਤਮ ਸਿੰਘ ਗਿੱਲ) : ਅੰਤਰਰਾਸ਼ਟਰੀ ਅਰਥਸ਼ਾਸਤਰ।
2. Gardner Ackley: Macro Economic Theory, Macmillan, New York, 1985 (Full book).
3. C.W.Baird: Elements of Macro Economics, West Publishing Company, 1977(Ch.2.11)


Professor & Head,
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ECONOMICS (HONOURS)

The candidates will be required to study one paper in each of the semesters III and IV of B.A. Part-II and one paper in each of the semesters V and VI of Part-III from the following list of papers, but the papers selected in a semester must be different than those selected in earlier semester(s).

1. Economics of Agriculture
2. Agricultural Marketing
3. Public Finance
4. Money and Banking
5. History of Economic Thought
6. International Economics
7. Industrial Economics
8. Economics of Public Enterprises
9. Computer Applications in Economics
10. Econometrics



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ECONOMICS OF AGRICULTURE

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION-A

Economics of Agriculture: Its nature and scope, Inter-dependence between Agriculture and Industry. Nature and problems of agricultural development in developing countries. Transforming Traditional Agriculture: Ranis & Fei, Schultz and Mellor Models, Lewis model of Unlimited Supply of Labour.

SECTION-B

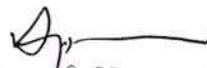
Land Reforms and System of Farming. Farm size and productivity relationship. Agricultural price policy, Agricultural taxation (All these topics should deal with special reference to India). New Agricultural Strategy and Green Revolution; Problems of small farmers and agricultural labourers. Agricultural credit, Marketable and Marketed surplus. Surplus labour as source and its utilization. (All these topics would deal with special reference to India).

RECOMMENDED READINGS

1. R.N.Soni : *Leading Issues in Agriculture Economics*, Shoban Lal Nagin Chand & Co, Jalandhar, 1992, Chp.1,2,3,4,8,11,12,16,23,24,26,27,28 & 29.
2. C.Eicher and L. Witt: *Agriculture in Economic Development*, Vora & Co., Bombay, 1970, Chp. 1,5,9,11,16 and 17.
3. Charan D. Wadhwa : *Some Problems of India's Economic Policy*, Tata Mc Graw Hill, Bombay, 1973, Part Two; Articles -B,C,D,F and G.
4. A.M.Khusro: *Readings in Agricultural Development*, Allied Publishers, Bombay, 1968, Articles by: B.S.Minhas & T.N.Srinivasan, M.L.Dantwala, A.M.Khusro, T.Bergman, V.K.R.V.Rao.
5. P.C.Joshi: *Land Reforms in India*, Allied Publishers, Bombay, 1976, Part II, Sections I & II.
6. T.W.Schultz : *Transforming Traditional Agriculture*, Lyall Book Depot, Ludhiana, 1970.
7. J.W.Mellor: *The Economics of Agricultural Development*, Vora & Co. Bombay, 1966.
8. Michael P.Tandon: *Economic Development in the Third World*, Orient Longman, New Delhi, 1987.
9. Francis R. Frankel: *India's Green Revolution-Economic Gains & Political Costs*, Oxford University Press, Bombay, 1971.
10. Misra & Puri: *Indian Economy*, Himalaya Publishing House, Bombay, 1993, Chapter 30.
11. Singh & Sadhu : *Agricultural Problems in India*, Himalaya Publishing House, Bombay, 1986.
12. ਆਰ.ਕੇ.ਮਹਾਜਨ : ਖੇਤੀਬਾੜੀ ਦਾ ਅਰਥਸ਼ਾਸਤਰ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਬਲੀਕੇਸ਼ਨ, 1995

SUPPLEMENTARY READINGS

1. Sameeksha Trust, Bombay, Various Issues: *Economic and Political Weekly*.
2. Indian Society of Agricultural Economics, Bombay, Various Issues: *Indian Journal of Agricultural Economics*.
3. New Delhi, Various Issues: *Agricultural Situation of India*.


Professor & Head,
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AGRICULTURAL MARKETING

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION -A

Marketing: Definition, Scope, marketed and marketable surplus, factors affecting marketable surplus, size, distribution of marketable surplus, nature of demand and supply of agricultural commodities. Mobilization of agricultural surpluses, terms of trade between agriculture and industry, income and price elasticity of agricultural commodities, Cob-Web model.

SECTION-B

Structure and functioning of agricultural markets, marketing margin, marketing efficiency, measures to improve marketing efficiency. Food grain marketing system in India, State intervention in food grain marketing, role of different agencies (FCI, State Agencies, State Department). Marketing of major agricultural commodities in India (Food grains, commercial crops). Price expectation and price uncertainties, price stabilization measures. Finances of agricultural marketing.

RECOMMENDED READINGS

1. A.S.Kahon & M.V.George: Agricultural Marketing and Price Policies, Allied Publishers, New Delhi, 1985, pp.336, 173-7.
2. A.S.Kahlon & D.S.Tyagi: Agricultural Price Policy in India Allied Publishers, New Dehli, 1983.
3. Dala.C.Dahl & Jerona W.Hummod: Market and Price Analysis-The Agricultural Industires, Mc. Graw Hill Book Company, 1977, pp.1-62, 88-138.

SUPPLEMENTARY READINGS

1. Richard L. Nols: marketing of Agricultural Production, Macmillan, New York, 1968, pp. 20-36, 109-130, 181-203, 201-252.
2. Rajbans Kaur: Agricultural Pricing Policies in Developing Countries, Kalyani Publishers, Ludhiana, 1984.
3. Uma J. Lele: Foodgrain Marketing in India, Popular Prakashan, Bombay, 1973


Professor & Head,
Department of Economics,
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PUBLIC FINANCE

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION -A

The Principles of Public Finance: Subjective and Objective Criteria. Theory of Public Expenditure: Maximum Social Advantage, Theory of Social Goods. Public Expenditure and Economic Growth. Effects of Public Expenditure on Production, distribution, Social over-head capital, stability and innovation. Criteria of public expenditure. Theory of Public Revenue: Theories of Taxation-Benefits Principle, Cost of Service Principle, Ability to pay. Theory, Principle of Equity. Effects of Taxation. Analysis of major taxes: income tax, expenditure tax, corporation tax, excise duties, GST, custom duties. Theories of tax shifting; concepts of incidence, measurement of incidence.

SECTION -B

Public Debt: Role of Public Debt. Different forms of Public Debt, Burden of Public Debt, and Redemption of Public Debt. Debt Management. Budgetary Policies: Functional and Economic Classification of budgets and their uses. Performance budgets, Budgets as an instrument of mobilisation and channelization of resources and redistribution of income and wealth. Balanced and unbalanced budgets, Fiscal Federalism: Principles of Federal finance. Development Finance: Functional Finance vs. Development finances.

SUGGESTED READINGS

1. Musgrave, R.A: Theory of Public Finance.
2. Tay Philip: The Economics of Public Finance.
3. Buchanan, J.M.: The Public Finance


Professor & Head,
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MONEY AND BANKING

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks

Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55

For Private and Distance Education Students Maximum Marks: 100
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INSTRUCTIONS FOR PAPER SETTERS

For Regular Students, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For Private and Distance Education Students, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION -A

Money and near money, demand for money, Transaction and cash balance approach to money, latest theories of money: Don Patinkin, Friedman and Gurley and Shaw approaches. Supply of Money: Components and determinants, Money Multiplier, Structure of rate of interest approaches. IS and LM functions, Neutrality and non-neutrality of money.

SECTION -B

Banking: Commercial banks: their functions and importance. Credit-creation. Central banking: functions and techniques of monetary management. Financing institutions and their role. Role of non-banking financial intermediaries. Monetary policy in India, objectives and instruments. International Monetary Cooperation: International Monetary Fund, International Bank for Reconstruction and Development, International Finance Corporation. International Development Association. Asian Development Bank: Organization management and functions.

SUGGESTED READINGS

- | | |
|---------------------|--|
| 1. Lucken, D.C. : | Money and Banking |
| 2. Thorn, R.S. : | Introduction to Money and Banking |
| 3. Leidle, B.E.W. : | The Demand for Money Theories and Evidence |
| 4. Gupta, S.B. : | Monetary Planning in India. |


Professor & Head,
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HISTORY OF ECONOMIC THOUGHT

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION -A

Pre-Classical Economic Thought: Mercantilism: Mercantilist ideas, regulations of economic life, leading theory of mercantilist school, Physiocracy: ideas with special reference to Quesnay and Turgot. **Classical and Marxian Political Economy:** The classical tradition: Adam Smith, Ricardo, J.S.Mill and Karl Marx on value, distribution and development.

SECTION -B

Reaction against Classicism: Socialist and Nationalist thinkers, Sismondi, Saint-Simon, Robert Owen and Charles Fourier, **Subjective School:** Menger, Weiser and Bohm-Bawerk.
Neo-Classicism and New Economics: Neo- classical School, Value Theory, Schumpeter on economic development, Keynes.

RECOMMENDED READINGS

1. Eric Roll: History of Economic Thought, Oxford University Press, Calcutta, 1974.
2. M. Blaug: Economic Theory in Retrospect, Richard D. Irwin Inc. Illinois, 1968.
3. Gide & Rist: A History of Economic Doctrines, George G. Harrap & Co. Ltd., London, 1964
4. P.M.Sweezy: The Theory of Capitalist Development, K.P.Bagchi & Co., Calcutta, 1991.

SUPPLEMENTARY READINGS

1. B.N. Ghosh & Rama Ghosh: Concise History of Economic Thought, Himalaya Publishing House, Delhi, 1980.
2. J.A. Schumpeter : History of Economic Analysis (Selected portions), George Allen & Unwin, London, 1961.
3. R.R.Paul: Classical Political Economy, Kalyani Publishers, Delhi, 1979.


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INTERNATIONAL ECONOMICS

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For **Regular Students**, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For **Private and Distance Education Students**, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION - A

The Pure theory of International Trade: Theories of Absolute Advantage, Comparative Advantage and Opportunity Costs. Heckscher-Ohlin Theory. Factor Price Equalisation. Gains from trade, their measurement and distribution. Terms of trade, secular-deterioration hypothesis. **Commercial Policy:** The theory of tariffs, Optimum and effective rate of tariff, inter-relationship between trade, aid and economic development. The theory of economic integration among nations; forms of economic intergration. The theory of Customs Union.

SECTION - B

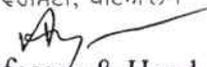
Balance of Payments, Exchange Rate and Trade Structure: The process of adjustment in the balance of payments. The concept of foreign trade multiplier. Fixed Vs. flexible exchange rates and their relative merits and demerits. Structure of trade, trade between developing and developed countries. Unequal Exchange and its impact on Balance of Payments. Current problems of trade and finance of developing countries. Role of multinational corporations in the developing countries. **International Monetary System:** IMF and international monetary system, present international monetary system, problems of international liquidity. Proposals for international monetary reforms. New International Economic Order.

RECOMMENDED READINGS

1. Bo Sodersten: International Economics, IInd Edition, Macmillan Press, London, Reprint 1990. Parts I, II, IV and V.
- 2। ਰਣਜੀਤ ਸਿੰਘ ਘੁਮਣ: ਅੰਤਰ ਰਾਸ਼ਟਰੀ ਅਰਥ ਵਿਗਿਆਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।

SUPPLEMENTARY READINGS

1. C.P.Kindleberger: International Economics, Richard Irwin, Homewood, Illinois, Indian, Edition 1977, Parts I, II, IV and V.
2. ਸਰ ਰਾਏ ਚੈਰਡ (ਅਨੁ. ਪ੍ਰੀਤਮ ਸਿੰਘ ਗਿੱਲ) : ਅੰਤਰ ਰਾਸ਼ਟਰੀ ਅਰਥ ਸ਼ਾਸਤਰ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ।


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INDUSTRIAL ECONOMICS

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION - A

Scope and methods of Industrial Economics; Basic concepts of firm, industry and market; organisational forms and alternative motives of the firms; Industrial structure and economic development.

Market Structure: Sellers concentration, product differentiation, conditions of entry and economies of scale, market structure and profitability. Growth of firms: Vertical integration, diversification, mergers and innovation; constraints on growth - demand, financial and managerial.

SECTION -B

Theory of industrial location: contribution of Weber and Sergeants Florence. Centralised vs. balanced regional development. Industrial concentration and dispersal in India.

Industrial policy since independence. Industrial development under plans and reasons for deceleration of industrial growth. Growth of State led industrialization in India.

RECOMMENDED READINGS

1. R.R.Banthwal : Industrial Economics: An Introduction. Wiley Eastern Ltd., New Delhi. Chs. 1, 3, 4, 6, 8, 9, 16 & 17.
2. S.C.Kuchhal: The Industrial Economy of India, (latest edition). Allahabad. Chaitanya Publishing House. Chs. 7,15 and 18.
3. P.J.Devine et. al: An Introduction of Industrial Economics.
4. W. Steward Howe: Industrial Economics: An Applied Approach, The Macmillan Press Ltd. Chs. 3, 5, 6, & 7.
5. Datt & Sundharam : Indian Economy (latest edition). S. Chand and Company, Chs. 10, 27 & 40.

SUPPLEMENTARY READINGS

1. David M.Smith: Industrial Location: An Economic Geographic Analysis, John Wiley & Sons Ins. Chp. 8.
2. E.D.Penrose: The Theory of Growth of Firm, Oxford Basil Blackwell, Chs. 7 & 8.
3. Harry W. Richardson: Elements of Regional Economics, Penquin Education, and Ch. 3 pp. 70-78.
4. Ishar Judge Aluwalia : Industrial Growth in India: Stagnation since Mid Sixties, Oxford University Press, Delhi, Ch.2.
5. Sivaya & Das: Indian Industrial Economy, S.Chand & Co., New Delhi, Chs. 4 & 7.


Professor & Head,
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ECONOMICS OF PUBLIC ENTERPRISES

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

<p>For Regular Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks</p>
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<p>Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55</p>
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<p>For Private and Distance Education Students Maximum Marks: 100</p>

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION - A

Role of public sector in socio-economic development. Rationale of public sector. Multiple objectives of public enterprises and clash and complementarity in objectives. Historical perspective of public sector in India. Organisation of public enterprises- various forms and role. Role of public sector financial institutions in the financing of public enterprises. Problems of Management of Working Capital - Management of Inventory. Credit and Cash Financing of Working Capital.

SECTION -B

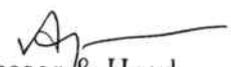
Pricing in public sector- Basis and types of pricing policies, pricing practices, machinery of price fixation, Role of BICP. Accountability and Profitability of public sector - Causes of poor financial performance of public sector in India. Sources of funds of public enterprises - Debt and Equity, Industrial Relations & their importance. Industrial disputes; causes, effects and their settlements.

RECOMMENDED READINGS

1. Laxmi Narain : Principles and Practices of Public Enterprises Management, S.Chand & Co., New Delhi, 1980.
2. Institute of Public Enterprises: Organisation in Public Enterprises, Tripathi, Bombay, 1967.
3. Institute of Public Enterprises: Pricing & Investment in Public Enterprises, Oxford and IBH Publishing Co., New Delhi, Ch.IV, pp.97-200, 205-322.
4. Laxmi Narain: Public Enterprises in India, S.Chand & Co., New Delhi, 1982.

SUPPLEMENTARY READINGS

1. K.R.Gupta: Issues in Public Enterprises, S.Chand & Co., New Delhi, 1978.
2. G.S.Bhalla: Financial Administration of Nationalised industry in U.K. and India, Meenakshi, Meerut, 1968.


Professor & Head,
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COMPUTER APPLICATIONS IN ECONOMICS

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

For Regular Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks

Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55

For Private and Distance Education Students Maximum Marks: 100
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INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION - A

Introduction to Computers : Simple Model of a Computer, Steps in problem solving on a computer, Data representation, Input/output devices, computer memory, Central Processing Unit (CPU), Computer generations and classifications. Introductory Programming: Algorithm, Computer Program and programming languages; Basic data types and declarations. Elementary PASCAL programming using READ and WRITE statements.

SECTION - B

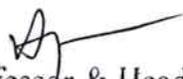
Programming: Control structures (Iterative and conditional), Structured data type (Array only), Introduction to functions and procedures Programming Applications : Developments of algorithm and programs for simple statistical and mathematical methods like computation of measures of central tendency, dispersion, correlation, simple regression, Matrix operations (Addition, subtraction, multiplication and Inverse).

RECOMMENDED READINGS

1. V.Rajaraman: Fundamentals of Computers, PHI, 1991, Chs. I, II, IV and XII.
2. V. Rajaraman : Computer Programming in PASCAL, PHI, Delhi. 1990 (full book).

SUPPLEMENTARY READINGS

1. G.M. Scheider and Others: An introduction to Programming and Problem Solving with PASCAL, PHI, Delhi, 1984, Chs. I to V.
2. E.Balaguruswami: Computer Oriented Statistical and Numerical Methods, Macmillan, 1988 (Full book).


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Department of Economics,
Punjabi University, Patiala (Pb)-147002

ECONOMETRICS

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 periods' tutorials (45 minutes each)

For Regular Students
Maximum Marks: 100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time Allowed: 3 Hours
Pass Marks: 35%
Teaching Hours (For Regular Students): 55

For Private and Distance Education Students
Maximum Marks: 100

INSTRUCTIONS FOR PAPER SETTERS

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private and Distance Education Students*, the question paper will consist of three sections: A, B and C. Sections A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATE

Candidates are required to attempt two questions each from the sections A and B and the entire Section C. The use of simple calculator is allowed. The candidates are required to give answer of each short type questions in about 100 words.

SECTION - A

Definition and Scope of econometrics. The methodology of economic research. Specification and estimation of an econometric model. Random variable and probability distribution. Basic concepts: Unbiasedness, efficiency and consistency. Single Equation Models: Ordinary Least Squares Estimation. Testing of Hypothesis: Basic concepts: Type I and Type II errors. Simple and composite hypothesis. Z, t and F tests. Maximum Likelihood estimation.

SECTION - B

The General linear model in Matrix form. Estimation and properties of the estimators. Multicollinearity: Its detection and solution. Heteroscedasticity: Its detection and solution. Dummy Variables: The dummy variable trap. Interpretation of slope and intercept. Lagged Variables: Uses in economics. Estimation Problem, Koyck's transformation, Partial adjustment model. Estimation of demand function. Estimation of consumption function.

RECOMMENDED READINGS

1. Johnston, J.: *Econometric Methods*, 20, McGraw Hill, 1984, New York, Chs. 1 to 3 & 9, pp. 225-29, 293-304.
2. Gujarati, Damodar: *Basic Econometrics*, New Delhi, McGraw Hill, 1978, Chs. 2-10, 12-13.

SUPPLEMENTARY READINGS

1. Kendall, M.G. and A. Stuart (eds.): *Advanced Theory of Statistics*. Vols. I & II, Griffin and Co., London.
2. Intrilligator, M.D.: *Econometric Models and Applications*, Prentice Hall, Chs. 1 & 7.
3. Maddala, G.S.: *Econometrics*, New Delhi, McGraw Hill, 1977, Chs. 3,4,7,8,9,10 & 12.
4. Wallis, K.F.: *Topics in Applied Econometrics*, London, Bray Hills.


Professor & Head,
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2: 348/HISTORY
Part, 24/8/21

**SYLLABUS
B.A. PART-II
(THREE YEAR DEGREE COURSE)
2021-2022 ,2022-2023 & 2023-2024
SESSIONS**

B.A. PART-II
(SEMESTER-III)

PAPER-I : HISTORY OF INDIA, 1707-1950

SEMESTER-IV

PAPER I : HISTORY OF PUNJAB 1469-1799

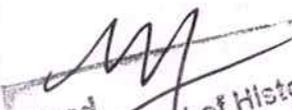
B.A. PART- II (HISTORY HONOURS)

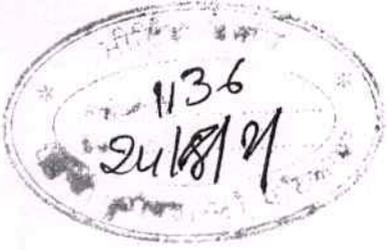
SEMESTER-IV

PAPER -II : (OPT-I) STUDY OF ANCIENT INDIAN INSTITUTIONS SOCIAL, CULTURAL
& ECONOMIC UPTO 1000 A.D.

PAPER-II : (OPT-II) STUDY OF MEDIEVAL INDIAN INSTITUTIONS : SOCIAL, CULTURAL &
ECONOMIC 1000-1707 A.D.

PAPER-II : (OPT-III) MODERN INDIAN SOCIETY AND ECONOMY : 1818-1947 A.D.


Head
Department of History
Punjab University, Patiala




25/8/21 am-I

**SYLLABUS
B.A. PART-II
(THREE YEAR DEGREE COURSE)
2021-2022, 2022-2023 & 2023-2024 SESSIONS
SEMESTER-III**

PAPER-I : HISTORY OF INDIA, 1707-1950

For Regular Students, lectures to be delivered: 9 Periods per week, 6 period's theory and 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students
Max.Marks:100
Internal Assessment: 25 Marks
External Assessment: 75 Marks

Time allowed: 3 hours
Pass Marks: 35
Teaching Hours (For Regular Students): 55

For Private Students
Maximum Marks: 100

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

For Regular And Distance Education Students,

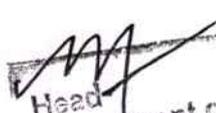
NOTE: The paper setter should keep in view the topics specified in each paper and not the title of the paper. Candidates are required to attempt two questions each from the sections A,B and the entire Section C.

- 1 The syllabus prescribed should be strictly adhered to. The paper-setters should keep in view the topics specified in each paper.
- 2 The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each and the candidates will attempt two questions from each section.
- 3 Section C which is compulsory, will consist of two parts: first part of section C will consist of 8 short-answer type questions which will cover the entire syllabus and will carry 16 marks in all. The candidates are required to attempt all the 8 short answer type questions. The answers to each of these questions will be of 20-25 words and will carry 2 marks.
- 4 The second part of Section C will contain a question on map, internal choice will be offered in Map question. The Maps are specified in Section C. The Map question will carry 11 marks out of which 7 marks are for filling the Map and 4 marks for explanatory note. Thus the total marks for the compulsory section C will be 27 out of which 16 marks for short answer type questions and 11 marks for the Map question.
- 5 If there is a question on notes, the choice offered in such a question should at least be fifty percent.
- 6 The wording of the questions should be simple and easily understandable by an average student. There should be no vagueness
- 7 The number of questions based upon quotations should not exceed two in a question paper.
- 8 The general standard of the questions should cater to the different intellectual level average, above average and below average.
- 9 Each paper is of 75 marks and of three hours duration and 25 marks of internal assessment.

ONLY FOR BLIND CANDIDATES: In lieu of Map question the blind candidates will attempt the short answer type questions. The short answer type questions will be set from the entire syllabus. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. Out of four, the blind candidates will attempt any two short answer type questions. Internal choice will be given. The answer to each of these questions will be 50-60 words and will carry 5 - 1/2 (five and half) marks each. Thus the total marks of these question will be 11.

For private Students the question paper will consist of three sections: A, B, and C. Section A and B will have four questions each which will carry 15 marks each. Section C which is compulsory will consist of two parts : first part of section C will consist of 8 short answer type questions of 24 marks from the entire syllabus. The candidates are required to attempt all short answer type questions. The answer to each of these questions will be of 30-40 words and will carry 3 marks each. Second part of section C will contain a question on map, internal choice will be offered on Map question. The Maps are specified in Section C. The Map question will carry 16 marks out of which 10 marks are for filling the map and 6 marks for explanatory note

ONLY FOR BLIND CANDIDATES : In lieu of Map question, the blind candidates will attempt the short answer type questions. The short answer type questions will be set from the entire syllabus. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. Out of four, the blind candidate will attempt


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any two short answer type questions. Internal choice will be given. The answer to each of these questions will be 50 words and will carry $8 \times 2 = 16$ marks for private students.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A, and B of the question paper and the entire Section C. The candidate are required to give answer of each short answer type question in 30-40 words i.e. in 7-10 lines.

SECTION-A

1. Causes of the downfall of Mughal Empire.
2. Foundation and expansion of British Empire : Battles of Plassey and Buxar. Administrative and Social Reforms of Cornwallis and Bentinck.
3. The Uprising of 1857 : Causes, nature, results and causes of its failure.
4. Socio-Cultural Movements :BrahmoSamaj, AryaSamaj, Aligarh Movement, Singh Sabha Movement. Dr. Ambedkar's efforts for the uplift of the Scheduled Castes.

SECTION-B

5. British Economic Policy in India : agriculture, rural indebtedness.
6. Rise of Political Consciousness in India : Moderates, Extremists and Revolutionary; Ghadar Party.
7. Freedom Struggle (1919-1947): JallianwalaBagh Massacre; Non-Cooperation Movement; Civil Disobedience Movement; Quit India Movement.
8. Salient Features of Indian Constitution; Integration of Princely States; Re-organisation of States.

SECTION-C (Compulsory)

Part-I : 10 Short-Answer type Questions.

For Regular And Distance Education Students: Ten short answer type questions will be set from the entire syllabus. The candidates will attempt 8 questions. The answer to each of these question will be of 30-40 words and will carry 2 marks each. Thus the total marks of these questions will be 16.

Part-II: The paper-setter will set one question on map out of the 4 maps mentioned below. There will be internal choice. The outline map will be provided. The map question will carry 11 marks, 7 marks for filling the map and 4 marks for the explanatory note.

For private Students: Ten short answer type questions will be set from the entire syllabus. The candidates will attempt 8 questions. The answer to each of these question will be of 30-40 words and will carry 3 marks each. Thus the total marks of these questions will be 24.

Part-II: The paper-setter will set one question on map out of the 4 maps mentioned below. The outline map will be provided. The map question will carry 16 marks 10 marks for the map and 6 marks for the explanatory note. Choice will be offered on map question.

MAPS:

- (a) British India in 1805 A.D.
- (b) British India in 1818 A.D.
- (c) British India in 1856 A.D.
- (d) Important Centres of the Revolt of 1857.

BOOK RECOMMENDED

1. P.E. Roberts : *History of British India,*
2. Ishwari Prasad and others : *A History of Modern India*
3. P. Spear : *History of Modern India.*
4. V.A. Smith : *The Oxford History of India*
5. Bisheswar Prasad : *Bondage and Freedom.*
6. R.C. Majumdar : *British Paramountcy and Indian Renaissance,*
Others (eds.) (Bhartiya Vidya Bhawan Publications).
7. R.C. Majumdar and : *Struggle for Freedom,*
others (eds.)
8. R.C. Majumdar and : *An Advanced History of India.*
others
9. Thompson and Garret : *Rise and Fulfillment of British Rule in*
India.
10. S.L. Sikri : *Constitutional History of India*
(English, Punjabi and Hindi).
11. R.C. Aggarwal : *Constitutional History of India*
(English and Punjabi).
12. S.K. Gupta : *The Scheduled Castes in Modern Indian*
Politics.
13. S.K. Bajaj & : *History of India, 1818-1919 (Punjabi).*
J.S. Rekhi
14. A.C. Arora : *History of Modern India (Punjabi and*
Hindi),
15. C.C. Davies : *Historical Atlas of the Indian Peninsula.*
16. A.C. Arora : *Atlas of Modern Indian Histor*

17. Bipin Chandra : *History of Modern India*
 : *India's struggle for Independence*
 18. K.W.Jones : *Socio-Religious Reform movements in*
 : *British India*

SYLLABUS
B.A. PART-II(SEMESTER IV)
(THREE YEAR DEGREE COURSE)
2021-2022, 2022-2023 & 2023-2024 SESSIONS
SEMESTER - IV

PAPER-I : HISTORY OF PUNJAB (1469-1799)

For Regular Students, lectures to be delivered: 9 Periods per week, 6 period's theory and 3 periods tutorials (45 minutes each)

For Regular and Distance Education Students

Max.Marks:100

Internal Assessment: 25 Marks

External Assessment: 75 Marks

Time allowed: 3 hours

Pass Marks: 35

Teaching Hours (For Regular Students): 55

For Private Students

Maximum Marks: 100

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

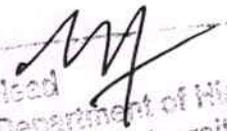
For Regular And Distance Education Students,

NOTE: The paper setter should keep in view the topics specified in each paper and not the title of the paper. Candidates are required to attempt two questions each from the sections A,B and the entire Section C.

- 1 The syllabus prescribed should be strictly adhered to. The paper-setters should keep in view the topics specified in each paper.
- 2 The question paper will consist of three sections: A, B, and C. Sections A and B will have four questions from the respective sections of the syllabus and will carry 12 marks each and the candidates will attempt two questions from each section.
- 3 Section C which is compulsory, will consist of two parts: first part of section C will consist of 8 short-answer type questions which will cover the entire syllabus and will carry 16 marks in all. The candidates are required to attempt all the 8 short answer type questions. The answers to each of these questions will be of 20-25 words and will carry 2 marks.
- 4 The second part of Section C will contain a question on map, internal choice will be offered in Map question. The Maps are specified in Section C. The Map question will carry 11 marks out of which 7 marks are for filling the Map and 4 marks for explanatory note. Thus the total marks for the compulsory section C will be 27 out of which 16 marks for short answer type questions and 11 marks for the Map question.
- 5 If there is a question on notes, the choice offered in such a question should at least be fifty percent.
- 6 The wording of the questions should be simple and easily understandable by an average student. There should be no vagueness
- 7 The number of questions based upon quotations should not exceed two in a question paper.
- 8 The general standard of the questions should cater to the different intellectual level average, above average and below average.
- 9 Each paper is of 75 marks and of three hours duration and 25 marks of internal assessment.

ONLY FOR BLIND CANDIDATES: In lieu of Map question the blind candidates will attempt the short answer type questions. The short answer type questions will be set from the entire syllabus. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. Out of four, the blind candidates will attempt any two short answer type questions. Internal choice will be given. The answer to each of these questions will be 50-60 words and will carry 5 - 1/2 (five and half) markseach. Thus the total marks of these question will be 11.

For private StudentsThe question paper will consist of three sections: A, B, and C. Section A and B will have four questions each which will carry 15 marks each. Section C which is compulsory will consist of two parts : first part of section C will consist of 8 short answer type questions of 24 marks from the entire syllabus. The candidates are required to attempt all short answer type questions. The answer to each of these questions will be of 30-40 words and will carry 3 marks each. Second part of section C will contain a question on map, internal choice will be offered on Map question. The Maps are specified in Section C. The Map question will carry 16 marks out of which 10 marks are for filling the map and 6 marks for explanatory note


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ONLY FOR BLIND CANDIDATES : In lieu of Map question, the blind candidates will attempt the short answer type questions. The short answer type questions will be set from the entire syllabus. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. Out of four, the blind candidate will attempt any two short answer type questions. Internal choice will be given. The answer to each of these questions will be 50 words and will carry $8 \times 2 = 16$ marks for private students.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt two questions each from the sections A, and B of the question paper and the entire Section C. The candidate are required to give answer of each short answer type question in 30-40 words i.e. in 7-10 lines.

SECTION-A

1. Main Sources of Punjab History.
2. Age of Guru Nanak Dev : Political, social and religious condition; His teachings
3. Evolution of Sikhism 1539-1606 (from Guru Angad to Guru Arjan)
4. Transformation of Sikhism from Guru Hargobind to Guru TeghBahadur.

SECTION-B

5. Guru GobindSingh : Creation of the Khalsa and its significance; His achievements and personality.
6. Banda Singh Bahadur and the establishment of independent rule of the Sikhs; Causes of his failure.
7. Political struggle of the Sikhs against Zakariya Khan, Yahiya Khan and Mir Mannu.
8. Rise of the Sikh Misl; Their Nature and Administration.

SECTION-C (Compulsory)

Part-I : 10 Short-Answer type Questions.

For Regular And Distance Education Students: Ten short answer type questions will be set from the entire syllabus. The candidates will attempt 8 questions. The answer to each of these question will be of 30-40 words and will carry 2 marks each. Thus the total marks of these questions will be 16.

Part-II: The paper-setter will set one question on map out of the 4 maps mentioned below. There will be internal choice. The outline map will be provided. The map question will carry 11 marks, 7 marks for filling the map and 4 marks for the explanatory note.

For private Students: Ten short answer type questions will be set from the entire syllabus. The candidates will attempt 8 questions. The answer to each of these question will be of 30-40 words and will carry 3 marks each. Thus the total marks of these questions will be 24.

Part-II: The paper-setter will set one question on map out of the 4 maps mentioned below. The outline map will be provided. The map question will carry 16 marks 10 marks for the map and 6 marks for the explanatory note. Chnoice will be offered on map question.

MAPS:

- (a) Battle of Guru Hargobind
- (b) Battles of Guru Gobind Singh.
- (c) Military exploits of Banda Bahadur.
- (d) Important places connected with the Sikh Gurus in the Punjab.

BOOK RECOMMENDED

- | | | | |
|-----|---|---|---|
| 1. | InduBhushan Banerjee | : | <i>Evolution of the Khalsa, Vol.I& II. (English and Punjabi).</i> |
| 2. | Gokal Chand, Narang | : | <i>Transformation of Sikhism. (English & Punjabi)</i> |
| 3. | J.S. Grewal | : | <i>New Cambridge History of India : The Sikhs of the Punjab.</i> |
| 4. | J.D. Cunningham | : | <i>A History of the Sikhs (English & Punjabi).</i> |
| 5. | Joginder Singh & Prithipal Singh Kapoor | : | <i>Punjab da Itihas(Punjabi).</i> |
| 6. | Bhagat Singh | : | <i>Punjab da Itihas(Punjabi)</i> |
| 7. | A.C. Arora | : | <i>Punjab da Itihas(Punjabi & Hindi).</i> |
| 8. | Gurcharan Singh & S.S. Gandhi | : | <i>History of the Punjab (Punjabi &Hindi).</i> |
| 9. | Khushwant Singh | : | <i>History of the Sikhs, Vol.I.</i> |
| 10. | A.C. Arora | : | <i>Atlas of the Punjab History (English, Punjabi & Hindi),</i> |
| 11. | B.S. Nanda | : | <i>Sikh Sampardaya(Punjabi)</i> |
| 12. | D.S. Dhillon | : | <i>Sikhism : Origin and Development.</i> |
| 13. | D.S. Dhillon and S.S. Bhullar | : | <i>The Battles of Guru Gobind Singh.</i> |

**B.A. PART -II, SEMESTER -III
HISTORY (HONOURS) (B.A. Part-II)
PAPER-I : INDIA'S STRUGGLE FOR FREEDOM 1885-1947**

For Regular Students

Max.Marks:100

(Theory 75 and Internal Assessment 25)

Time allowed: 3 hours

Pass Marks : 35

INSTRUCTIONS FOR THE PAPER-SETTERS

1. The Syllabus prescribed should be strictly adhered to. The paper-setters should keep in view the topics specified in each paper and not the title of the paper.
 2. The question paper will consist of three sections: A,B and C. Sections A and B will have four questions each from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short-answer type questions which will cover the entire syllabus and will carry 27 marks in all. There being no internal choice in this section, each short-answer type questions will carry 3 marks. Candidates are required to attempt two questions each from the Sections A and B and the entire Section C. The candidates are required to give answer of each short-type question in 50 words i.e. in 7-10 lines.
 3. If there is a question on notes, the choice offered in such question should at least be fifty percent.
 4. The wording of the questions should be simple and easily understandable by an average student. There should be no vagueness.
 5. The number of questions based upon quotations should not exceed two in a question paper.
 6. The general standard of the questions should cater to the different intellectual levels - average, above average and below average.
 7. Each paper is of 75 marks and three hours duration and 25 marks are of internal assessment.
- NOTE: The paper setter should keep in view the topics specified in each paper and not the title of the paper.

Candidates are required to attempt two questions each from the sections A and B and the entire Section C

The Break-up of 25 marks for Internal Assessment (Theory Papers) is below :

- | | |
|--|------------|
| 1. Test | : 10 Marks |
| 2. Class Attendance | : 05 Marks |
| 3. Project Work/Assignment/Seminar/Field | : 10Marks |

Total Marks : 25 Marks

SECTION-A

1. Rise of national consciousness, Foundation of the Indian National Congress, Controversy regarding its genesis, aims and objectives.
2. Moderates : their programmes, methods and achievements.
3. Extremism : its rise, programme, role in National Movement.
4. Freedom Struggle :Ghadar Movement, Home Rule League, Lucknow Pact and Jallianwala Bagh massacre.

SECTION-B

5. Emergence of Gandhi, Non-Co-operation Movement.
6. Simon Commission and Pooran Swaraj (1929) and Civil Disobedience Movement.
7. Rise and growth of Socialism and left-wing politics.
8. Quit India Movement, Cabinet Mission and Causes of Partition of India.

SECTION-C (Compulsory)

Nine short answer questions will be set from the entire syllabus. The candidate will attempt all the 9 questions. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. The answer of these questions will be of 50 words i.e. 7-10 lines and will carry 3 marks each. Thus, the total marks for these questions will be 27.

BOOKS RECOMMENDED

1. Bipin Chandra, A Tripathi & Barun De : *Freedom Struggle*, National Book Trust, New Delhi.
2. R.C. Majumdar (ed.) : *British Paramountcy and Indian Renaissance*, Vol. X: Struggle for Freedom, Vol. XI.
3. G.N. Singh : *Landmarks in Indian Constitution and National Development*.
4. Dr. S.M. Verma : *Chamber of Princes (1921-1947)*.
5. S.L. Sikri : *Rise and Fulfilment of Indian National*

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6.	S.S. Nanda	:	<i>Movement.</i>
7.	Bara	:	<i>Indian National Movement (Punjabi).</i>
8.	Sumit Sarkar	:	<i>BhartiRastriAndolan.</i>
9.	Bipin Chandra	:	<i>Modern India 1885-1947.</i>
10.	B.L.Grover	:	<i>India Struggle for Independence</i> <i>A New look at Modern History (from 1707 to Modern times)</i>

**B.A. PAPER-II (HISTORY HONOURS)
SEMESTER-IV**

ANY ONE OF THE FOLLOWING OPTIONS :

**PAPER:(OPTION : I) : STUDY OF ANCIENT INDIAN INSTITUTIONS : SOCIAL,
CULTURAL & ECONOMIC UPTO 1000 A.D.**

For Regular Students

Max.Marks:100

(Theory 75 and Internal Assessment 25)

Time allowed: 3 hours

Pass Marks : 35

INSTRUCTIONS FOR THE PAPER-SETTERS

1. The Syllabus prescribed should be strictly adhered to. The paper-setters should keep in view the topics specified in each paper and not the title of the paper.
2. The question paper will consist of three sections: A,B and C. Sections A and B will have four questions each from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short-answer type questions which will cover the entire syllabus and will carry 27 marks in all. There being no internal choice in this section, each short-answer type questions will carry 3 marks. Candidates are required to attempt two questions each from the Sections A and B and the entire Section C. The candidates are required to give answer of each short-type question in 50 words i.e. in 7-10 lines.
3. If there is a question on notes, the choice offered in such question should at least be fifty percent.
4. The wording of the questions should be simple and easily understandable by an average student. There should be no vagueness.
5. The number of questions based upon quotations should not exceed two in a question paper.
6. The general standard of the questions should cater to the different intellectual levels - average, above average and below average.
7. Each paper is of 75 marks and three hours duration and 25 marks are of internal assessment.

NOTE: The paper setter should keep in view the topics specified in each paper and not the title of the

paper.

Candidates are required to attempt two questions each from the sections A and B and the entire Section C

The Break-up of 25 marks for Internal Assessment (Theory Papers) is below :

- | | | |
|----|---------------------------------------|------------|
| 1. | Test | : 10 Marks |
| 2. | Class Attendance | : 05 Marks |
| 3. | Project Work/Assignment/Seminar/Field | : 10Marks |

Total Marks : 25 Marks

SECTION-A

1. Study of Harappan Culture.
2. Origin and Growth of Caste System.
3. Teachings of Buddhism and Jainism.
4. Art, Architecture and Sculpture of the Maurya period.
5. Kushans : Growth of Art, Architecture and Literature.

SECTION-B

6. Guptas : Art, Architecture, Painting, Literature and Science.
7. Internal and External Trade.
8. Expansion of Indian Culture in South-East Asia.
9. Land System : Land Tenure; Land Grants and Types of Land.
10. Crafts and Industries in ancient India , Guild System, its nature and importance.

SECTION-C (Compulsory)

Nine short answer questions will be set from the entire syllabus. The candidate will attempt all the 9 questions. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. The answer of these questions will be of 50 words i.e. 7-10 lines and will carry 3 marks each. Thus, the total marks for these questions will be 27.

BOOK RECOMMENDED

1. R.C. Majumdar (ed.) : *The Age of Imperial Unity* (The History and Culture of the Indian people, Vol.II, Bhartiya Vidya Bhawan).
2. Romila Thapar : *Ashoka and the Decline of the Mauryas.*
3. R.S. Tripathi : *History of Ancient India.*
4. S.L. Sikri & A.C. Arora : *Bhartiya Itihas Da Prachin Kal* (Punjabi).
5. Wheeler, M. : *Indus Valley Civilization.*
6. R.K. Mukherjee : *Ancient India.* &
7. R.C. Majumdar, Datta : *Advanced History of India, Vol.I.*
8. Raychoudhary : *The Wonder that was India.*
9. A.L. Basham : *Economic Life in Northern India.*
10. Lallanji Gopal : *Religious History of Ancient Punjab.*
11. Sukhninder Kaur Dhillon : *Religious History of Ancient Punjab.*
12. R.S. Sharma : *India's Ancient Past*
13. M.L. Bose : *Social and Cultural History of Ancient India*
13. ਡੀ.ਡੀ ਕੋਸ਼ਿਕੀ (ਰਾਮਬੀਰਸਿੰਘ-ਅਨੁਵਾਦਕ) : ਪ੍ਰਾਚੀਨਭਾਰਤ ਦੀ ਸੰਸਕ੍ਰਿਤੀ ਅਤੇ ਸੱਭਿਅਤਾ

PAPER-II (OPTION : II) : STUDY OF MEDIEVAL INDIAN INSTITUTIONS : SOCIAL, CULTURAL & ECONOMIC (1000-1707 A.D.)

For Regular Students

Max.Marks:100

(Theory 75 and Internal Assessment 25)

Time allowed: 3 hours

Pass Marks : 35

INSTRUCTIONS FOR THE PAPER-SETTERS

1. The Syllabus prescribed should be strictly adhered to. The paper-setters should keep in view the topics specified in each paper and not the title of the paper.
2. The question paper will consist of three sections: A, B and C. Sections A and B will have four questions each from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short-answer type questions which will cover the entire syllabus and will carry 27 marks in all. There being no internal choice in this section, each short-answer type questions will carry 3 marks. Candidates are required to attempt two questions each from the Sections A and B and the entire Section C. The candidates are required to give answer of each short-type question in 50 words i.e. in 7-10 lines.
3. If there is a question on notes, the choice offered in such question should at least be fifty percent.
4. The wording of the questions should be simple and easily understandable by an average student. There should be no vagueness.
5. The number of questions based upon quotations should not exceed two in a question paper.
6. The general standard of the questions should cater to the different intellectual levels - average, above average and below average.
7. Each paper is of 75 marks and three hours duration and 25 marks are of internal assessment.

NOTE: The paper setter should keep in view the topics specified in each paper and not the title of the paper.

Candidates are required to attempt two questions each from the sections A and B and the entire Section C

The Break-up of 25 marks for Internal Assessment (Theory Papers) is below :

1. Test : 10 Marks
2. Class Attendance : 05 Marks
3. Project Work/Assignment/Seminar/Field : 10 Marks

Total Marks : 25 Marks

SECTION-A

1. Social Classes and Communities.
2. Sufism : Sufi silsalas, principles of Sufism and its impact on society.
3. Bhakti Movement : principles and its impact on society.
4. Land Revenue System.
5. Religious policy of Akbar with special reference to Din-i-Ilahi.

SECTION-B

6. Education and Learning.
7. Art, Architecture and Paintings.

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8. Banking System.
9. Trade and Industry.

SECTION-C (Compulsory)

Nine short answer questions will be set from the entire syllabus. The candidate will attempt all the 9 questions. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. The answer of these questions will be of 50 words i.e. 7-10 lines and will carry 3 marks each. Thus, the total marks for these questions will be 27.

BOOK RECOMMENDED

- | | | | |
|----|--------------------------|---|--|
| 1. | S.A.A., Rizvi | : | <i>The Wonder that was India, Vol.II.</i> |
| 2. | Sri Ram Sharma | : | <i>Mughal Government and Administration.</i> |
| 3. | R.C. Majumdar (ed.) | : | <i>The Mughal Empire, The History and Culture of Indian People, Vol.VII.</i> |
| 4. | IrfanHabib | : | <i>Agrarian System of the Mughals.</i> |
| 5. | A.L. Srivastava | : | <i>History of Delhi Sultanate, History of Mughal Empire.</i> |
| 6. | S.L. Sikri | : | <i>Muslim Yug.</i> |
| 7. | K.M. Ashraf | : | <i>Life and Conditions of the people of Hindustan.</i> |
| 8. | Bhagat Singh | : | <i>Madhkalin Bharat DiyanSamsthava (Punjabi).</i> |
| 9. | Mohd. Habib& K.A. Nizami | : | <i>A Comprehensive History of India, Vol.I.</i> |
| 10 | Vipul Singh | : | <i>Interpreting Medieval India</i> |
| 11 | Satish Chandra | : | <i>Medieval India from Sultanate to Mughals 1526-1748.</i> |
| 12 | W.H. Moreland | : | <i>India at the Death of Akbar (English and Punjabi)</i> |

PAPER-II (OPTION : III) : MODERN INDIAN SOCIETY AND ECONOMY : 1818-1947 A.D.

For Regular Students

Max.Marks:100

(Theory 75 and Internal Assessment 25)

Time allowed: 3 hours

Pass Marks : 35

INSTRUCTIONS FOR THE PAPER-SETTERS

1. The Syllabus prescribed should be strictly adhered to. The paper-setters should keep in view the topics specified in each paper and not the title of the paper.
2. The question paper will consist of three sections: A,B and C. Sections A and B will have four questions each from the respective sections of the syllabus and will carry 12 marks each. Section C will consist of 9 short-answer type questions which will cover the entire syllabus and will carry 27 marks in all. There being no internal choice in this section, each short-answer type questions will carry 3 marks. Candidates are required to attempt two questions each from the Sections A and B and the entire Section C. The candidates are required to give answer of each short-type question in 50 words i.e. in 7-10 lines.
3. If there is a question on notes, the choice offered in such question should at least be fifty percent.
4. The wording of the questions should be simple and easily understandable by an average student. There should be no vagueness.
5. The number of questions based upon quotations should not exceed two in a question paper.
6. The general standard of the questions should cater to the different intellectual levels - average, above average and below average.
7. Each paper is of 75 marks and three hours duration and 25 marks are of internal assessment.

NOTE: The paper setter should keep in view the topics specified in each paper and not the title of the paper.

Candidates are required to attempt two questions each from the sections A and B and the entire Section C

The Break-up of 25 marks for Internal Assessment (Theory Papers) is below :

- | | | | |
|----|---------------------------------------|---|----------|
| 1. | Test | : | 10 Marks |
| 2. | Class Attendance | : | 05 Marks |
| 3. | Project Work/Assignment/Seminar/Field | : | 10Marks |

Total Marks : 25 Marks

SECTION-A

1. Socio-religious reform movements : Namdhari movement, Brahma Samaj, Arya Samaj, Singh Sabha Movement and Aligarh Movement.
2. Growth of Modern Education.
3. Growth of Modern Press.
4. British Agrarian Policies : Permanent Settlement, Ryotwari system and Mahalwari system; their impact on Indian society. Causes of the poverty of the Indian peasantry and famine policy.

SECTION-B

6. Commercialization of Agriculture, rural indebtedness and Agrarian Economy.
7. Industry: decline of indigenous industry, rise of plantation industry and modern Industry.
8. Foreign Trade
9. Labour Movements, rise of trade unions in India.

SECTION-C (Compulsory)

Nine short answer questions will be set from the entire syllabus. The candidate will attempt all the 9 questions. These questions will be based upon terms, concepts, institutions and historical sources within the purview of the syllabus. The answer of these questions will be of 50 words i.e. 7-10 lines and will carry 3 marks each. Thus, the total marks for these questions will be 27.

BOOKS RECOMMENDED

1. A.R. Desai : *Social Background to Indian Nationalism.*
2. Ramsay Muir : *Making of Modern India.*
3. R.C. Majumdar (ed.) : *British Paramountcy and Indian Renaissance*
(2 Vols.)
4. R.C. Majumdar (ed.) : *The Mughal Empire, The History and Culture of Indian People, Vol.VII.*
5. S.K. Bajaj & J.S. Rekhi : *History of India (1818-1919), (Punjabi).*
6. Dr. Nazer Singh : *Essays in History & Historiography.*
7. Garret & Thompson : *Rise and fulfillment of British Rule in India.*
8. K.W. Jones : *Socio-Reform Movements in British India*
9. B.L. Grover : *A New Look at Modern History 1707 to Modern times.*
10. B.B. Misra : *The Administrative History of India 1834-1947.*
11. ਐਸ.ਐਲ. ਸੀਕਰੀ : *ਭਾਰਤ ਦਾ ਰਾਸ਼ਟਰੀ ਅੰਦੋਲਨ ਅਤੇ ਸੰਵਿਧਾਨਿਕ ਵਿਕਾਸ 1858 - 1947*

Head
Department of History
Punjabi University, Patiala

PUNJABI UNIVERSITY, PATIALA**B. A./ B.Sc. Subject-Agro Services****Part-II (Sem. III & IV)****Session 2021-22, 2022-23, 2023-24****Schemes of Studies**

Paper No	Subject	Paper	Total Marks
Semester-III			
I	Irrigation Management	Theory	44
		Internal Assessment	16
		Practical	40
II	Diagnosis and Plant for Nutrient and Fertilizer Recommendation	Theory	44
		Internal Assessment	16
		Practical	40
Semester-IV			
III	Diagnosis of Crop Health Problems	Theory	44
		Internal Assessment	16
		Practical	40
IV	Pesticides and Their Use.	Theory	44
		Internal Assessment	16
		Practical	40
	Total		400

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

Paper-I : Irrigation Management

Maximum Marks: 100

Theory External Evaluation: 44 Marks

Theory Internal Assessment: 16 Marks

Practical: 40 Marks

Pass Marks: 35%

Time Allowed: 3 Hrs.

Theory

Instruction for the Paper Setter

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 7 marks each. Section C will consist of 8 short answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

Instructions for Candidates

Candidates are required to attempt two questions from each section A and B and the entire section C.

Section –A

1. Introduction –Terminology, concept and importance of irrigation toward crop production.
2. Water resources: water resource categories; surface water resources
(a) Channel (b) Harvested; Ground water resources.
3. Factors affecting water resources: Climatic-rainfall, evapotranspiration; physiographic–geometric, channel characteristics; Geological –Lithological, structural, hydranologic characteristics.
4. Quality of irrigation water: Criterion of standardizing quality of water; (a) salinity (b) sodicity (c) toxicity (d) hydranologic characteristics. Management of poor quality irrigation water (a) Land levelling (b) leaching and drainage (c) selection of crops (d) use of amendments (e) application of manures and fertilizers. Conjugative use of poor and good quality water. Influence of poor quality irrigation water on soil properties.

Section –B

5. Conveyance of irrigation water: Unlined open channels, Lined open channels, conventional; low cost lined open channels, underground pipeline system.
6. Method of irrigation: land development for higher water expense efficiency, surface irrigation (a) border strip method , (b) check besin method (c) furrow irrigation ; Drip irrigation.
7. Concept of irrigation scheduling. Time of irrigation:
 - a. based on phonological stages of crop.
 - b. based on weather data i.e. 1w/CPE ratio
 - c. based on stress day index status

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

8. Amount of water irrigated: adequate water supply and limited water supply. Irrigation schedule for different crops: Rice, Wheat/ Barley, Maize Cotton, Tobacco, Potato, Oilseeds, Vegetable pulses and fruit crops.

Practicals

1. Methods for testing quality of irrigations water in laboratory measuring concentration of
 - a. Total salts
 - b. Chlorides
 - c. Sulphates
 - d. Carbonates
 - e. Bicarbonates
 - f. Boron
 - g. Fluorine
2. Estimating velocity of water of open channels by float-method, estimating seepage losses of water in unlined channels.
3. Evaluation of water use efficiency of crops.
4. Evaluation of suitability of irrigation methods by measuring water use efficiency.
5. Use of water testing kit in a field.

SUGGESTED READINGS

1. Micheal : Irrigation : Theory and practices, Vikas Publication.
2. R.D. Mishra & M. Ahamed: Manual of irrigation Agronomy.
3. Satyanarayan: System of Minor Irrigation and Canal Structure.
4. S.S. Prihar, B.S. Sandhu, M.P. Kaushal & M.S. Bajwa: Efficient Farm Management of Irrigation Water.

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

Paper-II : Diagnosis and Plant for Nutrient and Fertilizer Recommendation

Maximum Marks: 100

Pass Marks: 35%

Theory External Evaluation: 44 Marks

Time Allowed: 3 Hrs.

Theory Internal Assessment: 16 Marks

Practical: 40 Marks

Theory

Instruction for the Paper Setter

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 7 marks each. Section C will consist of 8 short answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

Instructions for Candidates

Candidates are required to attempt two questions from each section A and B and the entire section C.

Section –A

1. Interaction of irrigation with other management practices: Irrigation-tillage practice, irrigation –sowing time irrigation –nutrients, irrigation-mulching. Integrated (combination of surface and ground water source) irrigation management for sustainable agriculture.
2. Concept of total and available nutrients.
3. Soil testing –concept, importance; soil sampling area, previous history.
4. Basic principles of analytical methods of soil testing, method of determining soil acidity, soluble salts, organic, C, available N, P.K and lime requirements.

Section –B

5. Calibration and interpretation of test results and recommendations of fertilizers.
6. Concept of quick tissue test and total plant analysis for diagnosis of nutrient requirement of plants.
7. Visual diagnosis of subject deficiency symptoms in plants.
8. Management practice for nutrient elements, nutrient toxicity, especially minor nutrient element.

PRACTICAL

1. Use of soil testing kit in a field.
2. Evaluation of soil sample: determination of pH.
3. Evaluation of soil sample for availability of N, P and K in soils.
4. Estimation of soil alkalinity, soil acidity, total soluble solids, organic matter content
5. Visual diagnosis of deficiency symptoms in plants; quick test for fertilizer adulterations.

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

SUGGESTED READINGS

1. Brady, N. C and Weil, R.R 2002. *The Nature and Properties of Soils* (13th Ed.). Pearson Prentice Hall, New York
2. Chapman, Homer, D.: Diagnostic Criteria for Plant and Soila.
3. Fageria, N.K., Baligar, V.C. and Jones, C.A. 1991. *Growth and Mineral Nutrition of Field Crops*, Marcel Dekker, New York.
4. Havlin, J.L, Beaton, J.D., Tisdale, S.L. and Nelson, W.L. 2006. *Soil Fertility and Fertilizers* (7th Ed.) Prentice Hall of India, New Delhi.
5. Jack Son, M.L. : Soil Chemical Analysis.
6. Piper, C.S. : Soil and Plant Analysis.
7. Prasad, R. and Power, J. F. 1997. *Soil Fertility Management for Sustainable Agriculture*. CRC-Lewis, Boca Raton, Florida.

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

Paper-III : Diagnosis of Crop Health Problems

Maximum Marks: 100

Pass Marks: 35%

Theory External Evaluation: 44 Marks

Time Allowed: 3 Hrs.

Theory Internal Assessment: 16 Marks

Practical: 40 Marks

Theory

Instruction for the Paper Setter

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 7 marks each. Section C will consist of 8 short answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

Instructions for Candidates

Candidates are required to attempt two questions from each section A and B and the entire section C.

Section –A

1. Causes of Health problems of crops : Pests like nematodes, snails, slugs insect mites, birds, rodents. Pathogens; fungi, bacteria, viruses, micoplasma, protozoa, algae, Flowering parasites – Characteristics
2. Diagnosis of health problems of cereals: Rice; mealy bug, GLH, BPH, WBPH, Bug stem borers Army Caterpillar, Leaf Folders, Ufra, Gall Midge, Hispa, Blast, Brown spot, BLB, BLS, Sheath rot, Foot-rot, False Smut, Scald. Wheat; termites, Stem Borer, Aphids, Seedling Blight, Smut, Rusts, Ear Cockly. Maize: Stempborer, Caterpillar, Foot-Rot, Smuts, Rust, Downy Mildews.
3. Diagnosis of health Problems of Sugar Cane:
Leaf Hoppers, Mothborers, Termites, Red rot, wilt, Whip smut, Ratoon, Stunt, Pineapple diseases.
4. Diagnosis of Health problems of Jute: Semilooper, Hairy Caterpillar, Stemp Rot, Anthracnose, Canker, Root Knot, Wilt.
5. Diagnosis of health problems of Pulses: Bean Group and Gram, Arhar, Pea Group; Aphids, Coreid bugs, Pod Borer ;complex, Harry Cater Pillar , Set Fly, Pod Fly, Podapion, Mosaic, Powdery Mildew, Root Rot, Leaf Spot anthracnose, Wilt, Rusts, Blight.

Section –B

6. Diagnosis of health problems of Oilseeds: Mustard, Sesamum, Groundnut, Mustard: aphid, diamond backmoth, gingily, leaf webber, hairy caterpillers, Groundnut: termite, aphide: leaf blight, white rust, club root, phyllody, rust, root rot, seedling blight.

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

7. Diagnosis of health problems of vegetable: Solanaceae: Aphids, Cut Worms, fruit – shoot borer, mealy bug, epilachna beetle; wilts, root rot, dieback, aerial blight. Malvaceae; Jassids, white fly, aphide, leaf folder, fruit borer; Mosaic, Blackarm Boll rot, wilt, Root knot; Cucurbitaceae : epilachna beetle, frount fly, red pumkin beetle, mosaic, powdery mildew, wilt, root rot; Cruciferae: Laphids, diamond back moth, Caterpillar, cabbage head borer; black rot, alternaria blight, Mo & B deficiency.
8. Diagnosis of health problems of fruits: **Mango**: Hoper, mealy bug, fruit fly, trunk borer, bark eating borer, shootgall, leaf cutting weevil; malformation, leaf blight, anthracnose, canker, fruit rot; **Citrus** : leaf miner, psyla, white fly, scale; canker; gummosis, dieback, scab; Banana; weevil, wilt, pseudostem, rot, sigatoga, bunchy top; guava; wilt, root rot, scab; **Coconut**: wilt, budrot, gummosis, blight, fruit drop, rhinoceros beetle, rat,
9. Diagnosis of health problems of flowers: rose, chrysanthemum, dahlia, tuberose, etc. scale, mealy bug, aphids, leaf webbers; dieback, blackspot, powdery mildews; leaf blight, petal blights, slow wilt; powdery mildew; foot rot, stemgall, leaf blight.
10. Preparation of home made pesticides like tobacco-decoction, Kerosene emulsion, Bordeaux Paste, Plant oil emulsion.

PRACTICAL

1. Field visit in both summer and mansoon to nearby darmers fields and college field in winter seasons to the crops covered in theory and identification and listing of damages: diseases and insect.
2. Collection of specimen, Herbarium making –in both dry and pickle methods.
3. Clinical tests: Like hand lens examination and Ooze tests in field.
4. Clinical tests like moist –chambering, incubation and examination with stereo and compound microscope.

SUGGESTED READING

1. Chattopadhyay: Plant Protection : Principles and practices, S.B. Oxford and IBH Pub. Co.
2. D. Bap Reddy and N.C. Joshi: Plant Protection in India.
3. R.S. Malhotra: Plant Pathology, Tata MacGraw Hill Publ. Co.
4. R.S> Singh: Plant Diseases, Oxford and IBH Publ. Co.
5. Crop Pests and How to Flight Them, Directorate of Publicity, Govt. of Maharashtra.

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

Paper-IV : Pesticides and Their Use.

Maximum Marks: 100

Theory External Evaluation: 44 Marks

Theory Internal Assessment: 16 Marks

Practical: 40 Marks

Pass Marks: 35%

Time Allowed: 3 Hrs.

Theory

Instruction for the Paper Setter

The question paper will consist of three sections A, B and C. Section A and B will have four questions from the respective sections of the syllabus and will carry 7 marks each. Section C will consist of 8 short answer type questions which will cover the entire syllabus uniformly and will carry 16 marks in all.

Instructions for Candidates

Candidates are required to attempt two questions from each section A and B and the entire section C.

Section –A

1. General grouping of pesticides: insecticides, acericides, nematocides, rodenticides, fungicides, bactericides.
2. Preparation, use and applications of home-made pesticides: tobacco decoction, kerosene emulsion, neem preparations, Bordeaux mixture, Bordeaux paste, botanical curdes, Copper fungicides: use and application and trade names.
 - a. Sulphur (inorganic and organic) fungicides, their trade names, use and application.
3. Organic nitrogen compound: trade names, use and application.
4. Organic phosphorus compounds: fungicides, trade name, use and application; Pesticides, non-systemic –chlorophyrifhos methyl parathion quinalphos, dichlorous systemic, methyl demention, dimethoate, phosphamidon, monocrotophos, thiometon.
5. Carbendazine, tridemorph and oxathins: use and applications; trade names.

Section –B

6. Antibiotics: Streptocycline, Aureofunginsol: trade names use and applications.
7. Microbiological Pesticides; Bt-product.
8. Organochlorines: BHC, Lindane, Endosulfan: trade names use applications and risks.
9. Carbamates: Carbaryl and carbofuran: trade names, use and applications.
10. Pherthoids, neem products; botanical fungicides.
11. Seed treatment and soil treatment with pesticides. Fumigation: different fumigants and their application techniques.

PUNJABI UNIVERSITY, PATIALA

B. A./ B.Sc. Subject-Agro Services

Part-II (Sem. III & IV)

Session 2021-22, 2022-23, 2023-24

PRACTICAL

5. Application of all the pesticide preparations.
6. Preparation of spray solution: Staining, Pumping and Application.
7. Application with power sprayer.
8. Application with spray nozzles.
9. Seed treatment –dry and wet.
10. Fumigation –In field, warehouse grain stocks.
11. Pest control, termite control, bird control.

SUGGESTED READING

1. Chattopadhyay: Plant Protection : Principles and practices, S.B. Oxford and IBH Pub. Co.
2. D. Bap Reddy and N.C. Joshi: Plant Protection in India.
3. R.S. Malhotra: Plant Pathology, Tata MacGraw Hill Publ. Co.
4. R.S. Singh: Plant Diseases, Oxford and IBH Publ. Co.
5. Crop Pests and How to Flight Them, Directorate of Publicity, Govt. of Maharashtra.

SYLLABUS FOR B.A. PART II PASS COURSE AND HONOURS
(SEMESTER IIIrd AND IVth)

2021-22, 2022-23 AND 2023-24 SESSIONS

Note: Each paper will carry 70 marks and 30 marks for internal assessment.

The Break-up of 30 marks for Internal Assessment (Theory Papers) is as below:

1. Test	12 marks
2. Project work/Assignment	12 marks
3. Class Attendance	06 marks
Seminar/Field Work etc.	
Total Marks	30 marks

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SEMESTER-III

INDIAN POLITY

BPOLBP2301

Objective: The paper will enable the students to understand Indian polity more comprehensively by studying the debates of Constituent Assembly on various social, economic, political and institutional issues. It will focus on the analysis of importance of Fundamental Rights and Directive Principles. It will deliberate upon the changing contours of federalism, role of executives both at centre and state levels and the institution of judiciary.

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

For Regular Students: the question paper will consist of Three Section: A, B and C. Sections A & B will have four questions from the respective portion of the Syllabus and will carry 10½ marks each. Section C will consist of 14 short-answer type questions which will cover the entire syllabus and will carry 28 marks in all. Each short answer type question will carry two marks.

For Distance Education and Private Students: the question paper will consist of three sections: A, B and C. Sections A & B will have four questions from the respective portion of the Syllabus and will carry 14½ marks each. Section C will consist of 14 short-answer type questions which will cover the entire syllabus and will carry 42 marks in all. Each short answer type question will carry three marks

Instructions for the Candidates (for all papers)

Candidates are required to attempt two question each from the Sections A & B of the question paper and the entire Section C. The candidates are required to give answer of each short type question in 50 words i.e. in 7-10 lines.

For Regular Students

Maximum Marks: 100

(Theory 70 and Internal Assessment 30)

Time: 3 Hours

Pass Marks: 35

For Distance Education and Private Students



Max. Marks: 100

Time allowed: 3 hrs.

Pass Marks: 35%

Section - A

1. Constituent Assembly and making of Indian Constitution.
2. Preamble and Basic features of Indian Constitution.
3. Nature of Indian Federalism: Emerging Trends.
4. *Fundamental Rights and Fundamental Duties.*

Section-B

5. *Directive Principles of State Policy.*
6. Parliament: Composition, Powers, Role.
7. President: Election, Powers, Position and its Changing Role
8. Prime Minister and Cabinet: Powers, Position and Role.
9. Supreme Court: Composition, Powers and Judicial Review

Books Suggested

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.



4. C.P. Bhambari, *The Indian State fifty years*, New Delhi: Sipra Publication, 1997.
5. Morris Jones, *Government and Politics of India*, The Eothen Press; 4th Revised edition (1 October 1987).
6. Paul R. Brass, *Ethnic Groups and the State*, London: Croom Helm, 1995.
7. Paul R. Brass, *Language, Religion and Politics in North India*, London: Cambridge University Press, 1974.
8. B.L. Fadia, *State Politics in India, Vol. II*, New Delhi: Radiant Publisher, 1984.
9. Laxmikant, *Indian Polity*, New Delhi: McGraw Hill Education, 2013.
10. Rajni Kothari, *State against Democracy: In Search of Human Governance*, Delhi: Ajantha, 1988.
11. Rajni Kothari, *Politics in India*, New Delhi: Orient Longman, 1970.
12. Nirja Gopal Jayal, Partap Bhanu Mehta, *The Oxford Companies to Politics in India*, New Delhi: Oxford University Press, 2010.
13. M.V. Pylee, *Constitutional Government in India*, Bombay: Asia Publishing House, 1977.
14. M.V. Pylee, *An Introduction to the Constitution of India*, New Delhi: Vikas 1998.



SEMESTER-IV

INDIAN POLITICAL SYSTEM

BPOLBP2401

Objective: This paper will serve the purpose of making students understand various institutional mechanisms of Indian political system. It will deliberate upon the role of various social determinants and their engagement with Indian democracy. It will discuss the functioning of democratic institutions and their contribution in democratic governance.

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

For Regular Students the question paper will consist of Three Section: A, B and C. Sections A & B will have four questions from the respective portion of the Syllabus and will carry 10½ marks each. Section C will consist of 14 short-answer type questions which will cover the entire syllabus and will carry 28 marks in all. Each short answer type question will carry two marks.

For Distance Education and Private Students the question paper will consist of three sections: A, B and C. Sections A & B will have four questions from the respective portion of the Syllabus and will carry 14½ marks each. Section C will consist of 14 short-answer type questions which will cover the entire syllabus and will carry 42 marks in all. Each short answer type question will carry three marks

Instructions for the Candidates (for all papers)

Candidates are required to attempt two question each from the Sections A & B of the question paper and the entire Section C. The candidates are required to give answer of each short type question in 50 words i.e. in 7-10 lines.

For Regular Students

Maximum Marks : 100

(Theory 70 and Internal Assessment 30)

Time : 3 Hours

Pass Marks : 35

For Distance Education and Private Students

Max. Marks: 100

Time allowed: 3 hrs.

Pass Marks: 35%



Section A

1. Governor: Appointment, Powers and Role
2. State Legislature: Composition, Powers and Role
3. Chief Minister and State Council of Ministers: Powers, Position and Role.
4. High Court: Composition, Powers and Role.

Section B

5. Nature of Party System in India.
6. Organization and Ideology of Indian National Congress, BJP, SAD, DMK and AIADMK
7. Role of Religion and Caste in Indian Politics.
8. Gender and Dalit Politics in India.
9. The Election Commission: Composition, Powers and electoral reforms in India.

Books Suggested

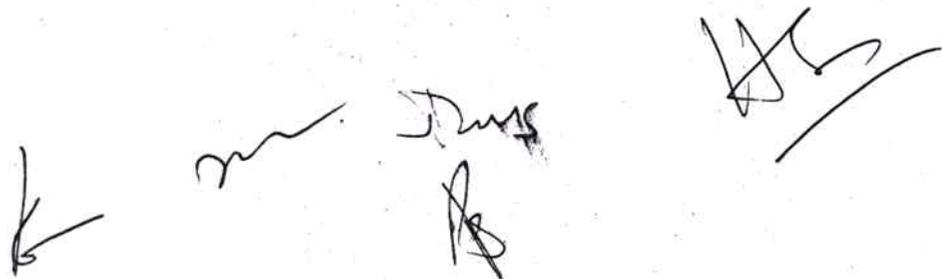
1. G. Austin, *The Indian Constitution: Corner Stone of a Nation*, Oxford: Oxford University Press, 1966
2. G. Austin, *Working of a Democratic Constitution: The Indian Experience*, Delhi: Oxford University Press, 2000.
3. D.D. Basu, *An Introduction to the Constitution of India*, New Delhi: Prentice Hall, 1994.
4. C.P. Bhambari, *The Indian State fifty years*, New Delhi, Sipra Publication, 1997.



Jana




5. Paul R. Brass, *Politics of India since Independence*, Cambridge: Cambridge University Press, 2003.
6. Paul R. Brass, *Ethnic Groups and the State*, London: Croom Helm, 1995.
7. Paul R. Brass, *Language, Religion and Politics in North India*, London: Cambridge University Press, 1974.
8. B.L. Fadia, *State Politics in India, Vol. II*, New Delhi: Radiant Publisher, 1984.
9. Rajni Kothari, *State against Democracy: In Search of Human Governance*, Delhi: Ajantha, 1988
10. Rajni Kothari, *Politics in India*, New Delhi: Orient Longman, 1970.
11. Rajni Kothari, *Party System and Election Studies*, Bombay: Asia Publishing House, 1967.
12. Rajni Kothari (ed.) *Caste in Indian Politics*, New Delhi, Orient Longman, Reprint, 2004.
13. M.V. Pylee, *Constitutional Government in India*, Bombay: Asia Publishing House, 1977.
14. M.V. Pylee, *An Introduction to the Constitution of India*, New Delhi, Vikas 1998.
15. S.P. Verma and C.P. Bhambari (ed)s, *Election and Political Consciousness in India*, Meerut: Meenakshi Parkashan, 1967.



Handwritten signatures and initials at the bottom of the page, including a large signature on the right and several smaller ones on the left.

16. N.K. Jha, *India's Foreign Policy in Emerging World*, New Delhi: Sonic Asian Publications, 2000.
17. M.S. Rajan, *Non-Alignment and Non-Alignment Movement in the present World Order*, Delhi: Konark, 1994.
18. Iqbal Narain (ed.), *State Politics in India*, Meerut: Meenakshi Parkashan, 1967.
19. Nirja Gopal Jayal, Partap Bhanu Mehta, *The Oxford Companies to Politics in India*, New Delhi: Oxford University Press, 2010.
20. Laxmikant, *Indian Polity*, New Delhi: McGraw Hill Education, 2013.
21. Ujjwal Kumar Singh and Anupama Roy, *Election Commission of India*, New Delhi: Oxford University Press, 2019.



James




POLITICAL SCIENCE (HONOURS)

SEMESTER III

PAPER-I : POLITICAL PARTIES IN INDIA

BPOLBH2301

Objective: The political parties play very crucial role in making any nation democratic. This paper will focus on the nature and role of various political parties in multi-party democracy in India. It will discuss their structure, ideology, support base, electoral performances, etc.

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

The question paper will consist of Three Section: A, B and C. Sections A & B will have four questions from the respective portion of the Syllabus and will carry 10½ marks each. Section C will consist of 14 short-answer type questions which will cover the entire syllabus and will carry 28 marks in all. Each short answer type question will carry two marks.

Instructions for the Candidates (for all papers)

Candidates are required to attempt two question each from the Sections A & B of the question paper and the entire Section C. The candidates are required to give answer of each short type question in 50 words i.e. in 7-10 lines.

Maximum Marks : 100
(Theory 70 and Internal Assessment 30)

Time : 3 Hours
Pass Marks : 35

Section - A

1. Nature of Political Parties in India.
2. National & Regional Political Parties - System of their recognition & derecognition by Election Commission of India.
3. Election Commission of India: Composition, functions and electoral Reforms.
4. Role of Regional Political Parties in Coalition Era.

Section - B

5. Congress & Bhartiya Janta Party: structure, Ideology, Leadership Pattern, Performance, Election Manifesto, Analysis of Electoral Performance.
6. CPI, CPI (M), BSP: structure, Ideology, Leadership pattern, Performance, Election Manifesto.
7. Shiromani Akali Dal and National Conference: structure, Ideology, Leadership pattern, Performance, Support base, Election Manifesto.
8. DMK & AIADMK: structure, Ideology, Leadership pattern, Performance, Support base, Election Manifesto.

Books Suggested

1. Dalip Singh, *Dynamics of Punjab Politics*, London: Macmillan, 1981.
2. Mohinder Singh, *The Akali Struggle: A Retrospect*, Delhi: Atlantic Publishers, 1988.
3. K.C. Gulati, *The Akalis: Past and Present*, New Delhi: Ashajanak Publications, 1974.

4. Kuldeep Kaur, *Akali Dal in Punjab Politics: Splits and Mergers*, Delhi: Deep & Deep Publications, 1999.
5. Peter Ronald DeSouza and E. Sridharan, *India's Political Parties*, New Delhi: Sage, 2006
6. J.S. Grewal, *Akalian de 75 Sal (in Punjabi)*, Chandigarh: Punjab Studies Publications, 1996.
7. R. K. Tiwari, *political Parties, Party Manifestos and Elections in India, 1909-2014*, Routledge: Oxon and New York, 2019.
8. Ranbir Sharma, *Party Politics in Himalayan State*, New Delhi: National, 1977.
9. Stanly A. Kochnek, *The Congress Party of India: Dynamics of One-Party Democracy*, Princeton: Princeton University Press, 1968.
10. Craig Baxter, *Jana Sangha: Biography of an Indian Political Party*, Philadelphia: University of Pennsylvania Press, 1969.
11. Ujjwal Kumar Singh and Anupama Roy, *Election Commission of India*, New Delhi: Oxford University Press, 2019.



SEMESTER IV

PAPER- II : POLITICAL IDEOLOGIES

BPOLBH2401

Objective: This paper will focus on enabling students to understand contours of various ideologies. It will discuss their basic principles regarding the formation of state and other political institutions.

INSTRUCTIONS FOR THE PAPER SETTER/EXAMINER

The question paper will consist of Three Section: A, B and C. Sections A & B will have four questions from the respective portion of the Syllabus and will carry 10½ marks each. Section C will consist of 14 short-answer type questions which will cover the entire syllabus and will carry 28 marks in all. Each short answer type question will carry two marks.

Instructions for the Candidates (for all papers)

Candidates are required to attempt two question each from the Sections A & B of the question paper and the entire Section C. The candidates are required to give answer of each short type question in 50 words i.e. in 7-10 lines.

Maximum Marks : 100

Time : 3 Hours

(Theory 70 and Internal Assessment 30)

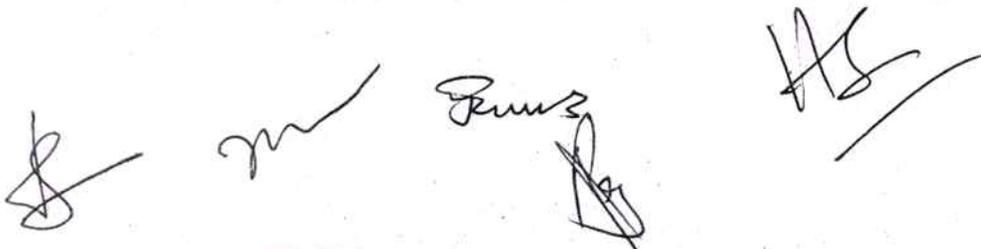
Pass Marks : 35

Section - A

1. Liberalism.
2. Marxism.
3. Socialism.
4. Gandhism.

Section - B

5. Fascism.
6. Nationalism.



Handwritten signatures and initials at the bottom of the page, including a large signature on the left, a smaller one in the middle, and initials 'HS' on the right.

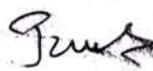
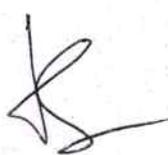
7. Feminism.
8. Environmentalism.

Books Suggested

1. Daniel Bell, *The end of Ideology*, New York: Colliers, 1961.
2. J. Plamentaz, *Ideology*, London, 1970.
3. H Lubasz, *Fascism: Three Major Regimes*, New York: Willey & Sons, 1973.
4. S. Kaviraj, *The State of Political Theory: Some Marxist Essays*, Calcutta: Research India Publication, 1971.
5. L.T. Hobhouse, *Liberalism*, New York: Oxford University Press, 1964.
6. Dante Germino, *Beyond Ideology: The Revival of Political Theory*, New York: Harper, 1967.
7. H.M Drucker, *The Political Uses of Ideology*, London: Macmillan, 1974.
8. M. Cranston, (ed.), *The New Left*, London: Bodley Head, 1970.
9. L. Kolakowski, *Main Currents in Marxism*, Oxford: Clarendon Press, 1978.
10. Andrew Vincent, *Modern Political Ideologies*, Oxford: Blackwell Publication, 1996.



11. Hans Kohn, *The Idea of Nationalism: A Study in its Origin and Background*, New York: Macmillan, 1945.
12. E. Kamenka (ed.), *Nationalism: The Nature and Evolution of an Idea*, London: Edward Arnold, 1976.
13. David McLellan, *Ideology*, Milton Keynes: Open University Press, 1986.
14. Martin Seliger, *Ideology and Politics*, Alen & Unwin, London, 1976.
15. Andrew Heywood, *Political Ideologies: An Introduction*, London: Palgrave Macmillan, 2012.
16. Andrew Heywood, *Politics*, London: Palgrave Macmillan, 2013.
17. Andrew Heywood, *Political Theory*, London: Palgrave Macmillan, 2015.



ਬੀ.ਏ. ਦੂਜਾ, ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ (ਸਮੈਸਟਰ ਤੀਜਾ ਅਤੇ ਚੌਥਾ)

ਰੈਗੂਲਰ ਪ੍ਰੀਖਿਆਰਥੀਆਂ ਲਈ

2021-22, 2022-23 ਅਤੇ 2023-24 ਸੈਸ਼ਨ ਲਈ

(ਸਮੈਸਟਰ ਤੀਜਾ)

ਕੁਲ ਅੰਕ : 100

ਵਿਸ਼ੇ ਵਿਚੋਂ ਪਾਸ ਹੋਣ ਲਈ ਅੰਕ : 40

ਅੰਦਰੂਨੀ ਮੁਲਾਂਕਣ : 25 ਅੰਕ

ਅੰਦਰੂਨੀ ਮੁਲਾਂਕਣ ਵਿਚੋਂ ਪਾਸ ਹੋਣ ਲਈ ਅੰਕ : 10

ਬਾਹਰੀ ਪਰੀਖਿਆ: 75 ਅੰਕ

ਬਾਹਰੀ ਪਰੀਖਿਆ ਵਿਚੋਂ ਪਾਸ ਹੋਣ ਲਈ ਅੰਕ : 30

ਸਮਾਂ : 3 ਘੰਟੇ

(ਅਧਿਆਪਨ: 50 ਪੀਰੀਅਡ, 6 ਪੀਰੀਅਡ ਪ੍ਰਤੀ ਹਫ਼ਤਾ)

ਪਾਠਕ੍ਰਮ ਅਤੇ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ

ਭਾਗ-ੳ

ੳ-1: ਨਾਵਲ ਕੀ ਹੁੰਦਾ ਹੈ, ਨਾਵਲ ਦਾ ਸਰੂਪ, ਨਾਵਲ ਅਤੇ ਨਾਵਲੈੱਟ ਵਿਚ ਅੰਤਰ, ਨਾਵਲ ਅਤੇ ਕਹਾਣੀ ਵਿਚ ਅੰਤਰ

ੳ-2: ਨਾਵਲ: ਰੋਹੀ ਬੀਆਬਾਨ (ਕਰਮਜੀਤ ਸਿੰਘ ਕੁੱਸਾ),

ਨੋਟ: ਵਿਦਿਆਰਥੀ ਨੂੰ ਨਾਵਲ ਪੜ੍ਹਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕੀਤਾ ਜਾਵੇਗਾ ਅਤੇ ਨਾਵਲ ਬਾਰੇ ਉਸ ਨੂੰ ਆਪਣੀ ਰਾਇ ਬਨਾਉਣ ਅਤੇ ਪਾਠਕੀ ਹੁੰਗਾਰੇ ਨੂੰ ਦਰਜ ਕਰਨਾ ਸਿਖਾਇਆ ਜਾਵੇਗਾ

ਭਾਗ-ਅ

ਅ-1: ਪੰਜਾਬੀ ਪੱਤਰਕਾਰੀ:

ੳ) ਖ਼ਬਰ ਅ) ਵਿਸ਼ੇਸ਼ ਅਖ਼ਬਾਰੀ ਰਿਪੋਰਟ ਏ) ਫ਼ੀਚਰ ਲੇਖਣ ਸ) ਇਸ਼ਤਿਹਾਰ ਲੇਖਣ ਹ) ਇਸ਼ਤਿਹਾਰੀ ਖ਼ਬਰ: ਸੰਕਲਪ ਅਤੇ ਅਭਿਆਸ

(ਇਸ ਖੰਡ ਦੇ ਆਧਾਰ 'ਤੇ ਵਿਦਿਆਰਥੀ ਤੋਂ ਇੱਕ ਅਭਿਆਸ-ਪੁਸਤਕ ਤਿਆਰ ਕਰਵਾਈ ਜਾਵੇਗੀ। ਉਸ ਵਿਚ ਵਿਦਿਆਰਥੀ ਕੁਲ 20 ਪੰਨੇ ਦੀਆਂ ਖ਼ਬਰਾਂ, ਵਿਸ਼ੇਸ਼ ਅਖ਼ਬਾਰੀ ਰਿਪੋਰਟਾਂ, ਨਿਊਜ਼ ਫ਼ੀਚਰ, ਇਸ਼ਤਿਹਾਰ ਅਤੇ ਇਸ਼ਤਿਹਾਰੀ ਖ਼ਬਰਾਂ ਤਿਆਰ ਕਰੇਗਾ। ਹਰ ਵੰਨਗੀ ਦੀਆਂ ਘੱਟ ਤੋਂ ਘੱਟ ਦੋ ਲਿਖਤਾਂ ਜ਼ਰੂਰ ਸ਼ਾਮਲ ਕੀਤੀਆਂ ਜਾਣਗੀਆਂ। ਅੰਦਰੂਨੀ ਮੁਲਾਂਕਣ ਵਿਚ ਅਸਾਈਨਮੈਂਟ ਦੇ ਨੰਬਰ ਇਸ ਅਭਿਆਸ ਪੁਸਤਕ ਦੇ ਆਧਾਰ 'ਤੇ ਦਿੱਤੇ ਜਾਣਗੇ)

ਅ-2 ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਤੇ ਗੁਰਮੁਖੀ ਲਿੱਪੀ ਨਾਲ ਜਾਣ-ਪਛਾਣ:

ੳ) ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਇਤਿਹਾਸ ਅਤੇ ਇਲਾਕਾਈ ਵੰਨਗੀਆਂ

ਅ) ਗੁਰਮੁਖੀ ਲਿੱਪੀ ਦਾ ਇਤਿਹਾਸ ਅਤੇ ਗੁਰਮੁਖੀ ਆਰਥੋਗਰਾਫ਼ੀ

ੲ) ਪੰਜਾਬੀ ਧੁਨੀ ਵਿਉਂਤ: ਸਵਰ, ਵਿਅੰਜਨ, ਖੰਡੀ ਅਤੇ ਅਖੰਡੀ ਧੁਨੀਆਂ

ਭਾਗ-ੲ

ਪਾਠਕ੍ਰਮ ਦੇ ਭਾਗ ੳ ਅਤੇ ਅ ਵਿਚੋਂ ਸੰਖੇਪ ਉਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ।

ਅੰਕ-ਵੰਡ ਅਤੇ ਪੇਪਰ ਸੈੱਟਰ ਲਈ ਹਦਾਇਤਾਂ

1. ਪਾਠਕ੍ਰਮ ਦੇ ਦੋ ਭਾਗ ਓ ਅਤੇ ਅ ਹਨ ਪਰ ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਤਿੰਨ ਭਾਗ ਓ, ਅ ਅਤੇ ਏ ਹੋਣਗੇ।
2. ਭਾਗ ਓ-1) ਵਿੱਚੋਂ 2 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿੱਚੋਂ ਵਿਦਿਆਰਥੀ ਇੱਕ ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ ਦੇਵੇਗਾ। ਇਹ ਪ੍ਰਸ਼ਨ ਦਿੱਤੇ ਗਏ ਗਲਪ ਰੂਪਾਂ ਦੇ ਸਰੂਪ, ਤੱਤਾਂ ਬਾਰੇ ਜਾਂ ਇਨ੍ਹਾਂ ਵਿਚਕਾਰ ਸਮਾਨਤਾਵਾਂ ਜਾਂ ਅੰਤਰਾਂ ਬਾਰੇ ਹੋਣਗੇ। 10 ਅੰਕ
3. ਭਾਗ ਓ-2 ਵਿੱਚੋਂ ਦੋ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿੱਚੋਂ ਵਿਦਿਆਰਥੀ ਨੇ ਇੱਕ ਦਾ ਉੱਤਰ ਦੇਣਾ ਹੋਵੇਗਾ। ਨਾਵਲ ਬਾਰੇ ਪਾਠਕੀ ਹੁੰਗਾਰਾ, ਨਾਵਲ ਬਾਰੇ ਵਿਦਿਆਰਥੀ ਦੇ ਪ੍ਰਭਾਵ, ਨਾਵਲ ਦੇ ਮੰਤਵ ਅਤੇ ਜੀਵਨ ਨੂੰ ਸਮਝਣ ਵਿਚ ਨਾਵਲ ਦੇ ਮਹੱਤਵ ਬਾਰੇ ਪ੍ਰਸ਼ਨ ਪੁੱਛਿਆ ਜਾ ਸਕਦਾ ਹੈ। ਇਸ ਭਾਗ ਵਿਚ ਪਾਤਰਾਂ ਬਾਰੇ ਵੀ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾ ਸਕਦੇ ਹਨ। ਨਾਵਲ ਦੇ ਵਿਸ਼ੇ-ਵਸਤੂ, ਵਿਚਾਰਧਾਰਾ, ਸਮਕਾਲੀ ਜੀਵਨ ਵਿਚ ਨਾਵਲ ਦੇ ਵਿਸ਼ੇ ਦੇ ਮਹੱਤਵ, ਪਾਤਰਾਂ ਦੀ ਘਾਤਤ, ਮਨਪਸੰਦ ਪਾਤਰ, ਪਾਤਰਾਂ ਦੇ ਸੁਭਾਅ ਦਾ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨ ਲਈ ਕਿਹਾ ਜਾ ਸਕਦਾ ਹੈ। ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਬਣਾਉਣ ਲੱਗਿਆਂ ਧਿਆਨ ਰੱਖਿਆ ਜਾਵੇ ਕਿ ਵਿਦਿਆਰਥੀ ਦੇ ਆਪਣੇ ਵਿਚਾਰਾਂ ਦੇ ਪ੍ਰਗਟਾਵੇ ਨੂੰ ਉਤਸਾਹਿਤ ਕੀਤਾ ਜਾਵੇ। 10 ਅੰਕ
4. ਭਾਗ ਅ-1 ਵਿਚ ਦਰਜ ਪੱਤਰਕਾਰੀ ਰੂਪਾਂ ਦੀ ਪਰਿਭਾਸ਼ਾ, ਸਰੂਪ, ਪ੍ਰਕਾਰਜ ਅਤੇ ਮਹੱਤਵ ਦੇ ਨਾਲ ਨਾਲ ਇਨ੍ਹਾਂ ਰੂਪਾਂ ਦੇ ਆਪਸੀ ਨਿਖੇੜੇ ਬਾਰੇ ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾ ਸਕਦੇ ਹਨ। ਇਸ ਭਾਗ ਵਿੱਚੋਂ ਕੁਲ 4 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿੱਚੋਂ ਵਿਦਿਆਰਥੀ ਨੇ 2 ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ ਇੱਕ-ਡੇਢ ਪੰਨੇ ਵਿਚ ਦੇਣਾ ਹੋਵੇਗਾ। $5 \times 2 = 10$ ਅੰਕ
5. ਭਾਗ ਅ-2 ਵਿੱਚੋਂ ਵੀ 5 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿੱਚੋਂ ਵਿਦਿਆਰਥੀ ਨੇ 3 ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ ਇੱਕ-ਡੇਢ ਪੰਨੇ ਵਿਚ ਦੇਣਾ ਹੋਵੇਗਾ। $5 \times 3 = 15$ ਅੰਕ
6. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਭਾਗ ਏ ਵਿਚ ਪਾਠਕ੍ਰਮ ਦੇ ਭਾਗ ਓ ਅਤੇ ਅ ਵਿੱਚੋਂ 15 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਵਿਦਿਆਰਥੀ ਨੇ ਇਨ੍ਹਾਂ ਸਾਰੇ ਪ੍ਰਸ਼ਨਾਂ ਦਾ ਉੱਤਰ 5-6 ਸਤਰਾਂ ਵਿਚ ਦੇਣਾ ਹੋਵੇਗਾ। $15 \times 2 = 30$ ਅੰਕ

ਸਹਾਇਕ ਪਾਠ ਸਮੱਗਰੀ

1. ਰਾਜਿੰਦਰਪਾਲ ਸਿੰਘ ਬਰਾੜ, ਬਲਦੇਵ ਸਿੰਘ ਚੀਮਾ, ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਸਾਹਿਤ ਰੂਪਾਕਾਰ: ਸਿਧਾਂਤ ਅਤੇ ਰੂਪਾਂਤਰਣ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 2011
2. ਸਾਹਿਤ ਕੋਸ਼, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 1989
3. ਡਾ. ਪਰਮਿੰਦਰ ਸਿੰਘ ਤੇ ਕਿਰਪਾਲ ਸਿੰਘ ਕਸੇਲ, ਸਾਹਿਤ ਦੇ ਰੂਪ, ਲਹੌਰ ਬੁੱਕ ਸ਼ਾਪ, 1977
4. ਡਾ. ਟੀ. ਆਰ, ਵਿਨੋਦ, ਨਾਵਲ ਆਲੋਚਨਾ ਸ਼ਬਦਾਵਲੀ ਕੋਸ਼, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ, 1999
5. ਗਿ. ਲਾਲ ਸਿੰਘ ਤੇ ਹਰਕੀਰਤ ਸਿੰਘ, ਕਾਲਜ ਪੰਜਾਬੀ ਵਿਆਕਰਣ, ਪੰਜਾਬ ਸਟੇਟ ਯੂਨੀਵਰਸਿਟੀ ਟੈਕਸਟਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ
6. ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਾਹਿਤਆਰਥ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ, ਲੁਧਿਆਣਾ
7. ਖੋਜ ਪੜ੍ਹਕਾ (ਗਲਪ ਵਿਸ਼ੇਸ਼ ਅੰਕ), ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ

ਬੀ.ਏ. ਭਾਗ ਦੂਜਾ, ਪੰਜਾਬੀ ਲਾਜ਼ਮੀ (ਸਮੈਸਟਰ ਤੀਜਾ ਅਤੇ ਚੌਥਾ)

ਰੈਗੂਲਰ ਪਰੀਖਿਆਰਥੀਆਂ ਲਈ

2021-22, 2022-23, 2023-24 ਸੈਸ਼ਨਾਂ ਲਈ

(ਸਮੈਸਟਰ ਚੌਥਾ)

ਕੁਲ ਅੰਕ : 100

ਅੰਦਰੂਨੀ ਮੁਲਾਂਕਣ : 25 ਅੰਕ

ਬਾਹਰੀ ਪਰੀਖਿਆ: 75 ਅੰਕ

ਸਮਾਂ : 3 ਘੰਟੇ

ਵਿਸ਼ੇ ਵਿਚੋਂ ਪਾਸ ਹੋਣ ਲਈ ਅੰਕ : 40

ਅੰਦਰੂਨੀ ਮੁਲਾਂਕਣ ਵਿਚੋਂ ਪਾਸ ਹੋਣ ਲਈ ਅੰਕ : 10

ਬਾਹਰੀ ਪਰੀਖਿਆ ਵਿਚੋਂ ਪਾਸ ਹੋਣ ਲਈ ਅੰਕ : 30

(ਅਧਿਆਪਨ: 50 ਪੀਰੀਅਡ, 6 ਪੀਰੀਅਡ ਪ੍ਰਤੀ ਹਫ਼ਤਾ)

ਪਾਠਕ੍ਰਮ ਅਤੇ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਦੀ ਰੂਪ-ਰੇਖਾ

ਭਾਗ-ੳ

ਕਾਵਿ ਲਹਿਰਾਂ (ਸੰਪਾ. ਲਖਵੀਰ ਸਿੰਘ, ਡਾ. ਜਸਵਿੰਦਰ ਸਿੰਘ, ਡਾ. ਇੰਦਰਜੀਤ ਸਿੰਘ ਚੀਮਾ, ਪਬਲੀਕੇਸ਼ਨ ਬਿਓਰੇ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ)

ਭਾਗ-ਅ

ਅ-1: ਪੰਜਾਬੀ ਕੰਪਿਊਟਰ ਸਿਖਲਾਈ:

ੳ) ਗੁਰਮੁਖੀ ਫ਼ੋਂਟ: ਆਰੰਭ ਅਤੇ ਵਿਕਾਸ

ਅ) ਫ਼ੋਂਟ ਬਦਲੀ ਤਕਨੀਕ (ਫ਼ੋਂਟ ਕਨਵਰਟਰ): ਮੁੱਢਲੀ ਜਾਣਕਾਰੀ

ੲ) ਯੂਨੀਕੋਡ ਪ੍ਰਣਾਲੀ ਨਾਲ ਜਾਣ-ਪਛਾਣ

(ਇਸ ਹਿੱਸੇ ਲਈ ਵਿਦਿਆਰਥੀ ਅਭਿਆਸ-ਪੁਸਤਕ ਤਿਆਰ ਕਰੇਗਾ, ਇਹ ਅਭਿਆਸ ਪੁਸਤਕ ਸੋਫਟ ਰੂਪ ਵਿਚ ਹੋਵੇਗੀ। ਅਧਿਆਪਕ ਉਸ ਦੇ ਸੋਫਟ ਰੂਪ ਦਾ ਮੁਲਾਂਕਣ ਕਰੇਗਾ ਪਰ ਵਿਦਿਆਰਥੀ ਰਿਕਾਰਡ ਹਿਤ ਇਸ ਦਾ ਪ੍ਰਿੰਟ ਕਢਵਾ ਕੇ ਅਧਿਆਪਕ ਨੂੰ ਜਮ੍ਹਾਂ ਕਰਵਾਏਗਾ। ਉਹ ਆਪਣੇ ਮੁੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸੰਬੰਧਿਤ 20 ਤੋਂ 25 ਪੰਨੇ (ਰਾਵੀ ਯੂਨੀਕੋਡ ਫ਼ੋਂਟ ਮਾਪ 12, ਸਤਰਾਂ ਵਿਚ ਵਿੱਥ 1.5, ਡਿਫਾਲਟ ਪੇਜ ਸੈਟਿੰਗ) ਲਿਖੇਗਾ, ਜਿਸ ਵਿਚ ਘੱਟ ਤੋਂ ਘੱਟ 10 ਲਿਖਤਾਂ ਜ਼ਰੂਰ ਹੋਣ।

ਅ-2 ਵਿਆਕਰਣ:

ੳ) ਸ਼ਬਦ ਸ਼੍ਰੇਣੀਆਂ: ਨਾਂਵ, ਪੜਨਾਂਵ, ਕਿਰਿਆ, ਵਿਸ਼ੇਸ਼ਣ, ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ, ਸੰਬੰਧਕ, ਯੋਜਕ

ਅ) ਵਿਆਕਰਣਕ ਵਰਗ: ਲਿੰਗ, ਵਚਨ, ਕਾਲ, ਕਾਰਕ, ਪੁਰਖ, ਵਾਚ, ਪੱਖ (ਇਨ੍ਹਾਂ ਦੀ ਪਰਿਭਾਸ਼ਾ ਅਤੇ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦੇ ਹਵਾਲੇ ਨਾਲ ਇਨ੍ਹਾਂ ਦੀ ਸਮਝ)

ੲ) ਗੁਰਬਾਣੀ ਵਿਆਕਰਣ ਨਾਲ ਜਾਣ-ਪਛਾਣ (ਭੂਮਿਕਾ (ਪੰਨਾ ੳ ਤੋਂ ਖ ਤਕ) ਸ਼ਬਦਾਰਥ ਸ੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਜੀ, ਪੇਥੀ ਪਹਿਲੀ, (ਪ੍ਰਕਾਸ਼ਕ ਸ਼੍ਰੋਮਣੀ ਗੁਰਦੁਆਰਾ ਪ੍ਰਬੰਧਕ ਕਮੇਟੀ, ਸ੍ਰੀ ਅੰਮ੍ਰਿਤਸਰ) ਦੇ ਪ੍ਰਸੰਗ ਵਿਚ)

ਭਾਗ-ੲ

ਪਾਠਕ੍ਰਮ ਦੇ ਭਾਗ ੳ ਅਤੇ ਅ ਵਿਚੋਂ ਸੰਖੇਪ ਉਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨ।

ਅੰਕ-ਵੰਡ ਅਤੇ ਪੇਪਰ ਸੈਂਟਰ ਲਈ ਹਦਾਇਤਾਂ

1. ਭਾਗ ਓ ਵਿਚੋਂ ਕਿਸੇ ਕਵਿਤਾ ਦਾ ਵਿਸ਼ਾ ਵਸਤੂ/ ਸਾਰ/ ਪਾਠਕੀ ਹੁੰਗਾਰਾ/ ਕਵਿਤਾ ਦਾ ਸੁਨੇਹਾ ਅਤੇ ਜੀਵਨ ਵਿਚ ਮਹੱਤਵ (ਤਿੰਨ ਵਿਚੋਂ ਇੱਕ) 10 ਅੰਕ
2. ਭਾਗ ਓ ਵਿਚੋਂ ਹੀ ਕਵਿਤਾ ਦੀ ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ (ਦੋ ਵਿਚੋਂ ਇੱਕ) 10 ਅੰਕ
3. ਭਾਗ ਅ-1 ਦੇ ਕੰਪਿਊਟਰ ਸਿਖਲਾਈ ਵਾਲੇ ਭਾਗ ਵਿਚੋਂ 4 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਵਿਦਿਆਰਥੀ ਦੇ ਪ੍ਰਸ਼ਨ ਦਾ ਉੱਤਰ ਇੱਕ-ਡੇਢ ਪੰਨੇ ਵਿਚ ਲਿਖੇਗਾ। 2x5=10 ਅੰਕ
4. ਭਾਗ ਅ-2 ਵਿਚਲੇ ਵਿਆਕਰਣ ਨਾਲ ਸੰਬੰਧਿਤ ਵਿਸ਼ਿਆਂ ਵਿਚੋਂ 5 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਵਿਦਿਆਰਥੀ 3 ਦਾ ਉੱਤਰ ਇੱਕ-ਡੇਢ ਪੰਨੇ ਵਿਚ ਲਿਖੇਗਾ। 3X5 =15 ਅੰਕ
5. ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਦੇ ਭਾਗ ਏ ਵਿਚ 15 ਪ੍ਰਸ਼ਨ ਪੁੱਛੇ ਜਾਣਗੇ, ਵਿਦਿਆਰਥੀ ਨੇ ਇਨ੍ਹਾਂ ਸਾਰਿਆਂ ਦੇ ਸੰਖੇਪ ਉੱਤਰ ਲਿਖਣੇ ਹੋਣਗੇ। ਇਹ ਪ੍ਰਸ਼ਨ ਪਾਠਕ੍ਰਮ ਦੇ ਭਾਗ ਓ, ਅ-1 ਅਤੇ ਅ-2 ਵਿਚ ਦਰਜ ਵਿਸ਼ਿਆਂ ਦੇ ਆਧਾਰ 'ਤੇ ਹੋਣਗੇ 15x2=30 ਅੰਕ

ਸਹਾਇਕ ਪਾਠ-ਸਮੱਗਰੀ

1. ਡਾ. ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ ਅਤੇ ਹੋਰ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਣ ਭਾਗ-1, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ ਜਲੰਧਰ, 1991, ਪੰਨਾ 67-73
2. ਡਾ. ਜੋਗਿੰਦਰ ਸਿੰਘ ਪੁਆਰ ਅਤੇ ਹੋਰ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਵਿਆਕਰਣ ਭਾਗ-1।, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਅਕਾਦਮੀ ਜਲੰਧਰ, 1992
3. ਗਿ. ਲਾਲ ਸਿੰਘ ਤੇ ਹਰਕੀਰਤ ਸਿੰਘ, ਕਾਲਜ ਪੰਜਾਬੀ ਵਿਆਕਰਣ, ਪੰਜਾਬ ਸਟੇਟ ਯੂਨੀ. ਟੈਸਕਟ ਬੁੱਕ ਬੋਰਡ, ਚੰਡੀਗੜ੍ਹ
4. ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ, ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਪੁਨਰ ਚਿੰਤਨ, ਲੋਕਗੀਤ ਪ੍ਰਕਾਸ਼ਨ, ਚੰਡੀਗੜ੍ਹ।
5. ਰਾਜਿੰਦਰ ਪਾਲ ਸਿੰਘ, ਆਧੁਨਿਕ ਪੰਜਾਬੀ ਕਵਿਤਾ ਦਾ ਇਤਿਹਾਸ, ਪੰਜਾਬੀ ਅਕਾਦਮੀ, ਦਿੱਲੀ।
6. ਜਸਵਿੰਦਰ ਸਿੰਘ, ਨਵੀਂ ਪੰਜਾਬੀ ਕਵਿਤਾ ਪਛਾਣ ਚਿੰਨ੍ਹ, ਚੇਤਨਾ ਪ੍ਰਕਾਸ਼ਨ, ਲੁਧਿਆਣਾ
7. ਸੰਤ ਸਿੰਘ ਸੇਖੋਂ, ਸਾਹਿਤਆਰਥ, ਲਾਹੌਰ ਬੁੱਕ ਸ਼ਾਪ, ਲੁਧਿਆਣਾ
8. ਸੀ. ਪੀ. ਕੰਬੋਜ, ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਦਾ ਕੰਪਿਊਟਰੀਕਰਨ, ਗਰੇਸੀਅਸ ਬੁੱਕਸ, ਪਟਿਆਲਾ
9. ਸੀ. ਪੀ. ਕੰਬੋਜ, ਕੰਪਿਊਟਰ ਵਿਗਿਆਨ, ਪੰਜਾਬੀ ਯੂਨੀਵਰਸਿਟੀ, ਪਟਿਆਲਾ



SYLLABUS

B.A. (Rural Development)

PART-II

(Semester System)

Semester III and IV

For Sessions: 2019-20, 2020-21 & 2021-22

B.A. PART - II, Semester III

RURAL DEVELOPMENT

PAPER: Rural Development and Administration

For **Regular Students**, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

<p>For Regular Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks</p>
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<p>Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55</p>
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<p>For Private Students Maximum Marks: 100</p>
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INSTRUCTIONS TO THE PAPER-SETTER

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

Section-A

Rural Development Administration (Central Level)

- a) Rural Development: Concept, approaches and objectives.
- b) Evolution of Rural Development: Brief discussion of CDP, IADP, MNREGA, NRHM
- a) Union Ministry of Agriculture and Farmers' Welfare and Ministry of Rural Development: Structure, functions and role.
- b) National Development Council and 15th Finance Commission: Structure and its role in inclusive and sustainable rural development.

Sections-B

Rural Development Administration (State and Regional Level)

- a) Structure, Role and Functions of State Departments: Agriculture, Animal Husbandry, Industries, Cooperative, Rural Development.
- b) Panchayati Raj set up in Punjab: Structure, functions, role and problems.
- c) District Planning Committee: Organization, powers and position.
- d) Role of Key Functionaries: Deputy Commissioners, DDPO, BDPO, Subject Specialist, Panchayat Secretary, *Gram Sewak*.

Suggested Books

1. Baldev Singh, *Decentralization, Panchayati Raj and District Planning*, Atlantic Publishers, Delhi, 1996.
2. P.S. Jammu (Tr.), *Hindustan Vich Samuda Vikas*, Punjabi University, Patiala, 1990.
3. S.C. Jain, *Community Development and Panchayati Raj in India*, NIRD Publications, Hyderabad, 1984.
4. S.K. Kaw, *Rural Development in India, Some Factors in India*, NIRD Publications, Hyderabad.
5. S.R. Mehta, *Rural Development Policies: Policies and Programmes*, SAGE Publications, 1984.
6. K.K. Puri and G.S. Brara, *Local Government in India*, Bharat Prakashan, Jalandhar, 1996
7. S.K. Sharma, *Rural Development: Approach, Perspectives and Strategy*, Abhinav Publications, New Delhi.
8. Sukhdev Singh, *Pendu Samaj atey Pendu Vikas, Patiala: Punjabi University, Patiala (Publication Bureau) 2010*.
9. Sukhdev Singh, *Pendu Samaj Vigyan, Patiala: Punjabi University, Patiala. (Publication Bureau) 2006*.
10. S.R. Maheshwari, *Rural Development in India: A Public Policy Approach*, SAGE Publishers, New Delhi, 1994.

B.A. PART - II, Semester IV
RURAL DEVELOPMENT
PAPER: Rural Marketing and Finance

For Regular Students, lectures to be delivered: 9 Periods per week, 6 periods' theory and 3 period's tutorials (45 minutes each)

<p>For Regular Students Maximum Marks: 100 Internal Assessment: 25 Marks External Assessment: 75 Marks</p>

<p>Time Allowed: 3 Hours Pass Marks: 35% Teaching Hours (For Regular Students): 55</p>
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<p>For Private Students Maximum Marks: 100</p>

INSTRUCTIONS TO THE PAPER-SETTER

For *Regular Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 12 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 27 marks in all. Each short answer type question will carry 3 marks. The candidates are required to give answer of each short type question in about 100 words.

For *Private Students*, the question paper will consist of three sections: A, B and C. Sections. A and B will have four questions each. Each question shall carry 16 marks. Section C will consist of 09 short answer type questions which will cover the entire syllabus uniformly and will carry 36 marks in all. Each short answer type question will carry 4 marks. The candidates are required to give answer of each short type question in about 100 words.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt five questions in all selecting two questions from each of the Section A and B and the entire section C.

Section-A

Introductory

- a) Marketing Concepts and its relevance to Indian economy.
- b) Storage and Warehousing system including transportation.
- c) Problems of agriculture and food grain marketing system, vegetables and fruit marketing, dairy products marketing.
- d) Trends, causes of rise and fluctuations on agricultural prices, price stabilization; role of government policies, buffer stock, imports and exports.

Sections-B

Marketing Promotion and Rural Finance

- a) Personal Selling: Its role, type, techniques of selling under various market situations.
- b) Advertising: Role, types, goal, media, campaign and publicity.
- c) Sources of Rural Finance: Micro-finance, commercial banks, cooperative, NABARD and regional rural banks.
- d) Problems of Rural Indebtedness: Nature, magnitude, causes, consequences and remedial measures, rural suicides.

Suggested Books

1. A.N. Aggarwal, *Indian Agriculture: Problems, Progress and Prospectus*, Vikas Pub., New Delhi, 1980.
2. John R. Moore, S.S. Johal and A.M. Khusro, *Indian Food Grain Marketing*, PHI, New Delhi, 1973.
3. Kohis, *Marketing of Agricultural Products*, Macmillan, New York, 1995.
4. B.B. Mukherjee, *Agricultural Marketing in India*, Thockar, Calcutta, 1970.
5. Lakhwinder Singh, Kesar Singh Bhangoo and Rakesh Kumar, *Agrarian Distress and Farmers Suicides in North India*, Routledge, New Delhi, 2016.
6. A.N. Sidhu and A. Singh, *Fundamental of Agricultural Economics*, Himalaya Pub. House, Bombay, 1989
7. R.S. Srivastava, *Agricultural Marketing in India and Abroad*, Vora Publishers, Bombay, 1960.
8. Uma-J. Lele, *Food Grain Marketing in India*, Popular Prakashan, Bombay, 1978.
9. S.S. Acharya and N.L. Aggarwal, *Agricultural Marketing in India*, Oxford and IBH Publishing Company, New Delhi, 1987.
10. Sukhdev Singh, *Pendu Samaj Vigyan*, Patiala: Punjabi University, Patiala. (Publication Bureau) 2006.

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B.A. Part – II (Semester-III)
English (Communication Skills)
(For Sessions 2022-23, 2023-24, and 2024-25)

One paper of 75 marks to be attempted in three hours
Time: 3 hours
(Six periods per week)
Number of teaching periods: 75

Written Examination: 75 Marks
Internal Assessment: 25 Marks
Pass marks: 35%

COURSE CONTENT:

1. *Gleanings from Home and Abroad* (Orient BlackSwan).

The following essays from this book are prescribed:

1. Toasted English - R.K. Narayan
2. Work Brings Solace- A.P.J. Abdul Kalam
3. On Letter-Writing - A.G. Gardiner
4. Towards Creating a Poverty-Free World – Muhammad Yunus
5. Wikileaks, Facebook and the End of Discretion - Mukul Kesavan
6. Issues in the Writing of Environmental History- Mahesh Rangarajan
7. Why I Want a Wife - Judy Brady
8. Universal Declaration of Human Rights - Leah Levin

2. *English Grammar in Use* by Raymond Murphy (Cambridge University Press).
Prescribed Units: 92-120

Recommended Reading

Composition and Writing Skills. Orient BlackSwan. (For the questions dealing with Composition).

The Student's Companion by Wilfred D. Best.

TESTING

UNIT-I

- I. The candidate shall attempt one essay type question (with internal choice) on theme, central idea or substance from the first four prescribed essays from *Gleanings from Home and Abroad*. The answer shall not exceed 250 words
10 marks
- II. The candidate shall attempt one essay type question (with internal choice) on theme, central idea or substance from last four (5-8) prescribed essays from *Gleanings from Home and Abroad*. The answer shall not exceed 250 words.
10 marks

UNIT-II

- III. Five short-answer questions to be attempted (in about 50 words each) out of given seven questions from the prescribed essays from *Gleanings from Home and Abroad*.
5x3=15 marks
- IV. Letter-writing: Personal letters, letters to the editor on current issues, applications.
The candidate shall write one out of the given choice of two.
10 marks

UNIT-III

- V. This question shall be based on *English Grammar in Use* by Raymond Murphy. Prescribed Units: 92-120
Candidates shall be required to do as directed on the basis of prescribed exercises. The examiner shall set 25 sentences from the prescribed exercises in the syllabus out of which the candidates shall attempt any 20.


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Department of English
Dunishi University, Patiala,

25% of the questions shall be set from the prescribed literary text and remaining 75% shall be based on the exercises prescribed in *English Grammar in Use*.

Each sentence shall be of 1.5 marks.

20x1½=30 marks.



**Professor and Head
Department of English
Punjabi University, Patiala.**

B.A. Part – II (Semester-IV)
English (Communication Skills)
(For Sessions 2022-23, 2023-24, and 2024-25)

One paper of 75 marks to be attempted in three hours
Time: 3 hours

Written Examination: 75 Marks
Internal Assessment: 25 Marks
Pass marks: 35%

No. of teaching periods: 75
(Six periods per week)

COURSE CONTENT:

(A) *Pride and Prejudice* by Jane Austen. Orient Longman College Classics. Abridged Classics. Simplified and Abridged by Manju Sambhunath Sen. Consultant Editor, Bikram K. Das. Orient Longman, Hyderabad, 2003. Reprinted, 2007.

(B) *English Grammar in Use* by Raymond Murphy (Cambridge University Press).

Prescribed Units: 121-145, Appendix 7 and Additional Exercises (Complete)

Recommended Reading

1. *Composition and Writing Skills*. Orient BlackSwan. (For questions dealing with Composition).
2. *The Student's Companion* by Wilfred D. Best.

TESTING

UNIT-I

- Q. No.1 One essay type question of about 250 words with an internal alternative on theme, plot, narrative or incident from *Pride and Prejudice*. 10 marks
- Q. No 2 One essay type question of about 250 words with an internal alternative on character/characters from *Pride and Prejudice* 10 marks

UNIT-II

- Q. No. 3 Four short-answer questions to be attempted (in about 50 words each) out of given six questions from *Pride and Prejudice*. 4x3=12 marks
- Q. No.4 (i) Dialogue-writing: Transcoding a given prose passage into a dialogue. 06 marks
- (ii) Paragraph on one out of the given four topics in about 250 words. 07 marks

UNIT-III

- Q. No. 5 This question shall be based on *English Grammar in Use* by Raymond Murphy. Prescribed Exercises: 121-145, Appendix 7 and Additional Exercises (Complete).

Candidates shall be required to do as directed on the basis of prescribed exercises. The examiner shall set 25 sentences set from the prescribed exercises in the syllabus out of which the candidates shall attempt any 20.

25% of the questions shall be set from the prescribed literary text and remaining 75% shall be based on the exercises prescribed in *English Grammar in Use*.

Each sentence shall be of 1.5 marks.

20x1½=30 marks.



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