Major-I- Math

(1)

Syllabus for B.A /B.Sc. Mathematics as Major Subject &

B.A /B.Sc. (Honors) Mathematics

SEMESTER – I

MJ-1: Algebra and Trigonometry

Unit-I: Set Theory: Cartesian product of sets, Relation, Kinds of Relation, partition of a set, Relation of congruence modulo n, Partial and total order relation, Fundamental theorem of equivalence relation, Mapping and set mapping. [20 Lectures]

Unit-II: Abstract Algebra: Notion of Group, subgroup, properties of groups, cyclic group, order of an element Definitions and examples of Ring, Field and Integral domain, elementary properties of rings. [18 Lectures]

Unit-III: Trigonometry: Application of De-Moivre's Theorem, Complex Argument, Gregory's Series, Hyperbolic functions and summation of Series. [20 Lectures]

Unit-IV: Linear Algebra: Adjoint and Inverse of a Matrix, orthogonal matrix, Symmetric, Hermitian and Skew-symmetric matrix, Rank of matrix, Solution of Simultaneous linear equation, Characteristic equation, Eigen values and eigenvectors. [22 Lectures]

Books Recommended

Set theory	: -	K. K. Jha
Set theory	: -	A. R. Vasishtha
Abstract Algebra	: -	K. K. Jha
Abstract Algebra	:-	A. R. Vasishtha
Trigonometry	: -	Das and Mukherjee
Trigonometry	: -	Lalji Prasad
Linear Algebra	: -	Seymour Lipschutz,

Major-1 - Phy

(2)

SEMESTER-I

PHY-MJ-1: MECHANICS AND PROPERTIES OF MATTER

(Credits: Theory-04, Practicals-02)

Theory: 60 Lectures

Full Marks:
15 (Semester Internal Examination: 1Hr) + 60 (End Semester Examination: 3Hrs) =**75**
Pass Marks:
Semester Internal Examination = **06**
End Semester Examination = **24**

Instruction for evaluation:

Semester Internal Examination (marks:15)

The Semester Internal Examination will have two components:

(a) One Semester Internal Assessment Test of 10 Marks - There will be two groups of questions.
- Group A is compulsory which will contain very short answer type consisting of five questions of 1 mark each. (**5×1=5**)
- Group B will contain descriptive type two questions of five mark each, out of which any one to answer. (**1×5=5**)

(b) Class Attendance Score of 5 marks - Conversion of Attendance into score may be as follows:

Attendance	Marks
less than 45%	1
upto 55%	2
upto 65%	3
upto 75%	4
More than 75%	5

End Semester Examination (marks: 60)

There will be two groups of questions.
- Group A is compulsory which will contain three questions.
  - Question No.1 will be very short answer type consisting of five questions of 1 mark each. (**5×1=5**)
  - Question No.2 & 3 will be short answer type of 5 marks. (**2×5=10**)
- Group B will contain descriptive type five questions of fifteen marks each, out of which any three are to answer. (**3×15=45**)

Major-1 phy

Motive of PHY-MJ-1: The objectives of major paper of semester-1 are as follows:

1. Enables the students to acquire the key concepts of the general properties of matter, the motion of a particle under central force field, oscillations and special theory of relativity.
2. Develop the analytical thinking on Mechanics in order to understand the response of the classical systems to external forces.
3. Extend the idea of mechanics to other branches of physics.

Outcome of PHY-MJ-1: Upon completion of the mentioned topics, students will be able to

1. Learn about the behaviour of physical bodies around us in daily life.
2. Understand the dynamics of planetary motion.
3. Build a foundation of various applied field in science and technology.

SYLLABUS OF PHY-MJ-1

General Properties of Matter: Hooke's law. Stress-strain diagram. Elastic moduli. Poisson's Ratio-expression for Poisson's ratio in terms of elastic constants. Relation between Elastic constants. Work done in stretching and work done in twisting a wire-Twisting couple on a cylinder. Bending moment. Cantilevers, beam supported at the end and loaded at middle and its application to determine Young's modulus. Searle's experiments. Kinematics of Moving Fluids: Viscous fluid, Poiseuille's Equation for Flow of a Liquid through a Capillary Tube with correction, Flow of compressible fluid through a capillary tube, Rankine's methods for measurement of viscosity of gas. Effect of temperature and pressure onviscosity. Surface tension and surface energy. Angle of contact. Expression for excess pressure. Principal of virtual work. Ripples and Gravity waves. Effect of temperature and pressure on surface tension. **(20 Lectures)**

Central Force Motion: Motion of a particle under a central force field. Two bodies problem. Conservation of angular momentum. Kepler's Laws of planetary motion and their deduction. Satellite in circular orbit and applications. Weightlessness. **(10 Lectures)**

Oscillations: SHM: Simple Harmonic Oscillations. Differential equation of SHM and its solution. Kinetic energy, Potential energy, Total energy and their time-average values. Damped oscillation. Forced oscillations: Transient and steady states; Resonance, Sharpness of resonance, Power dissipation and Quality Factor. **(14 Lectures)**

Special Theory of Relativity: Inertial and Non-inertial frames. Centrifugal force and Coriolis force and its applications. Michelson-Morley Experiment and its outcome. Postulates of Special Theory of Relativity. Lorentz Transformations. Lorentz contraction. Time dilation. Simultaneity and order of events. Relativistic addition of velocities. Variation of mass with velocity. Massless Particles. Mass-energy Equivalence. Relativistic Doppler Effect. **(16 Lectures)**

Nf-I phy

Reference Books:

1. An introduction to mechanics, D. Kleppner, R.J. Kolenkow, 1973, McGraw-Hill.
2. Mechanics, D. S. Mathur.
3. Physics, Resnick, Halliday and Walker, 2008, Wiley.
4. Feynman Lectures, Vol. I, R.P. Feynman, R.B.Leighton, M.Sands, 2008, Pearson Education.
5. Introduction to Special Relativity, R. Resnick, 2005, John Wiley and Sons.
6. University Physics, Ronald Lane Reese, 2003, Thomson Brooks/Cole.

Hj-1 phy

PRACTICAL: PHY-MJ-1-LAB

Full Marks:
End Semester Examination: 3Hrs =**25**
Pass Marks: 10

Instruction for evaluation:
There will be one practical examination of 3Hrs duration. Evaluation of practical examination may be as follows:

Experiment	: 15 marks
Practical record notebook	: 05 marks
Viva-voce	: 05 marks

Motive of PHY-MJ-1-LAB: The objectives of laboratory part of major course of semester-1 are as follows:

1. To get familiar with various measuring tools and learn the importance of accuracy of measurements.
2. To know the limitations of measuring device and check the suitability of the equipment, tools regarding their functioning.
3. To identify the factors that influences the observations in order to perform precise measurement.

Outcome of PHY-MJ-1-LAB: Upon completion of the mentioned topics, students will be able to

1. Develop the proficiency in the handling of laboratory instruments.
2. Estimate uncertainty in the measured value.
3. Analyse and interpret the recorded observations, calculation and graphs to draw conclusion.

List of Practical: 60 Lectures

1. Measurements of length (or diameter) using vernier caliper, screw gauge and travelling microscope.
2. To study errors: Truncation and round off errors, Absolute and relative errors.
3. To study the Motion of Spring and calculate (a) Spring constant, (b) g and (c) Modulus of rigidity.
4. To determine the elastic Constants of a wire by Searle's method.
5. To determine the value of g using Bar Pendulum.
6. To determine the value of g using Kater's Pendulum.

Hj-1 phy

References:

1. Introduction to Numerical Analysis, S.S. Sastry, 5th Edition , 2012, PHI Learning Pvt. Ltd.
2. Advanced Practical Physics for students, B. L. Flint and H.T. Worsnop, 1971, Asia Publishing House.
3. Advanced level Physics Practicals, Michael Nelson and Jon M. Ogborn, 4th Edition, reprinted 1985, Heinemann Educational Publishers.
4. A Text Book of Practical Physics, I. Prakash & Ramakrishna, 11th Edn, 2011, Kitab Mahal.
5. Numerical Methods, E Balagurusamy, McGraw Hill Education.

Major-1- Chem

Semester -I

MAJOR COURSE- CHE- MJ-1(Credits: Theory-04, Practicals-02)

Marks: 15 (10 Marks SIT+ 5 Marks Attendance: 1Hr) + 60 (ESE: 3Hrs) = 75, Pass Marks: Th (SIE + ESE) = 30

Instruction to Question Setter

1.For Semester Internal Test (SIT 10+5=15 marks):

There will be two group of questions. Question No.1 will be very short answer type in Group A consisting of five questions of 1 mark each. Group B will contain descriptive type two questions of five marks each, out of which any one to answer.

The Semester Internal Examination shall have two components. (a) Semester Internal Test (SIT) of 10 Marks, (b) Class Attendance Score (CAS) of 5 marks. Conversion of Attendance into score may be as follows: (Attendance Upto 45%, 1mark, 45<Attd.<55, 2 marks, 55<Attd.<65, 3 marks, 65<Attd.<75, 4 marks, 75<Attd, 5 marks)

2.End Semester Examination (ESE 60 marks):

There will be two group of questions. Group A is compulsory which will contain three questions. Question No.1 will be very short answer type consisting of five questions of 1 mark each. Question No.2 & 3 will be short answer type of 5 marks. Group B will contain descriptive type five questions of fifteen marks each, out of which any three are to answer.

Note: There may be subdivisions in each question asked in Theory Examinations.

On completion of this course, the students will be able to understand:

Learning objective:

a. Atomic theory and its evolution.
b. Learning scientific theory of atoms, concept of wave function.
c. Elements in periodic table; physical and chemical characteristics, periodicity.
d. To predict the atomic structure, chemical bonding, and molecular geometry based on accepted models.
e. To understand atomic theory of matter, composition of atom.
f. Identity of given element, relative size, charges of proton, neutron and electrons, and their assembly to form different atoms.
g. Physical and chemical characteristics of elements in various groups and periods according to ionic size, charge, etc. and position in periodic table.
h. Characterize bonding between atoms, molecules, interaction and energetics
i. Hybridization and shapes of atomic, molecular orbitals, bond parameters, bond- distances and energies.
j. Valence bond theory incorporating concepts of hybridization predicting geometry of molecules.
k. Importance of hydrogen bonding, metallic bonding.
l. Oxidation-Reductions and their use in metallurgy.

Learning Outcomes:

On successful completion of this course the student should know:

1. Electronic configuration of various elements in periodic table
2. Predicting structure of molecules
3. How hydrogen bonding, metallic bonding is important in common materials' scientific applications to material fabrication
4. Industrial Metallurgical Processes.

14.12.22

Major-I - Botany

(4)

SEMESTER I

MAJOR COURSE- BOT- MJ-1 **(Credits: Theory-04)**

Total Marks: 75 (15 Marks Internal Examination + 60 Marks End Semester Examination)

Microbiology, Algae and Fungi

Total Credit Hours: 60

Course objectives:

1. This course will provide knowledge on various fields of basic Botany.
2. The syllabus is prepared to enable students for competitive exams in frontier areas of plant sciences.
3. Students will be able to know about habit, habitat, morphology, anatomy and reproduction of various plant groups.

Course Outcome: After the completion of the course the students will be able to:

1. Develop understanding about the classification and diversity of different microbes including Bacteria, Viruses, Algae, Fungi & their economic importance.
2. Develop conceptual skill about identifying microbes & pathogens.

Unit 1: Methods of Microbiology: Staining, Sterilization, Isolation, Culture and Culture media.
Unit 2: Viruses: General account of TMV and Bacteriophage.
Unit 3: Mycoplasma: Structure and reproduction.
Unit 4: Bacteria: General characters, classification, cell structure, reproduction and economic importance.
Unit 5: Cyanobacteria: General characters, classification, cell structure, reproduction and life history of *Nostoc, Oscillatoria and Rivularia.*
Unit 6: Algae: General characters, classification, economic importance and life history of *Volvox,Oedogonium, Chara, Vaucheria* and *Sargassum.*
Unit 7: Fungi: General characters, classification, economic importance and life history of *Phytophthora, Peziza, Puccinia* and *Argicus.*

MAJOR PRACTICAL- BOT- MJ 1 LAB **(Credits: Practical-02)**

Total Marks: 25 (25 Marks End Semester Examination) **Total Credit Hours: 60**

Unit 1: Microbiology: Staining and identification of bacteria. Preparation of PDA Medium.
Unit 2: Cyanobacteria: Preparation of temporary slides/permanent slides, enumeration of salient features and identification of *Nostoc, Oscillatoria and Rivularia.*
Unit 3: Algae: Preparation of temporary slides/permanent slides, enumeration of salient features and identification of *Volvox, Oedogonium, Chara, Vaucheria* and *Sargassum.*
Unit 4: Fungi: Preparation of temporary slides/permanent slides, enumeration of salient features and identification of *Phytophthora, Peziza, Puccinia* and *Argicus.*

Mj-1 Botany

Distribution of marks (Practical):

Experiments	:	10 marks
Spotting 05x 1	:	05 marks
Records/Models/Charts/Herbarium/Tour Report	:	05 marks
Viva Voce	:	05 marks

Suggested Readings:

1. Dubey, R.C. & Maheswari, D.K. A Text Book of Microbiology, 2005, S.Chand & Company
2. Biswas, S.B. & Biswas, A. An Introduction to Viruses (4th ed.), 1996, Vikas Publishing House
3. Power, C.B. & Daginawala, H.F. General Microbiology, Vol. I&II, Himalaya Publishing House
4. Sale, A.J. Fundamental Principles of Microbiology, Latest Ed., Tata McGraw Hill
6. Kumar, H.D. Introductory Phycology (2nd ed.), 1999, Affiliated East-West Press Pvt. Ltd.
7. Vashishta, B.R., Sinha, A.K. & Singh, V.P. Algae (9th ed.), 2002, S. Chand & Company
8. Sambamurty, A.S.S. A text book of Algae, 2005, I.K. International Pvt. Ltd. 22
9. Dubey, H.C. An Introduction to Fungi (2nd ed.), 1990, Vikas Publishing House 23
10. Sharma, P.D. Fungi & Allied Organisms, 2005, Narosa Publishing House
11. Sharma, O.P. Text book of Fungi, Tata McGraw Hill
12. Vashista, B.R. Fungi, Latesgt Ed., S. Chand & Company
13. Chopra, G.L. and Verma, V.A. Text Book of Fungi, Pradeep Publications

Major- I - Zoology

(5)

S.K.M. University, Dumka

B.Sc: ZOOLOGY (MAJOR)

Course objectives: The primary objective of the course in semester-I and semester-II is to impart appreciation for different life forms on earth and drive home the relationship between different living forms both at the genetic and the ecological level. It will provide an opportunity to have a novel branch of science dealing with identification and assigning exact position in animal kingdom. The evolutionary aspect dealing with origin of some animals in evolutionary scale has been incorporated to have an idea of advent of recent life forms.

SEMESTER-I

MAJOR PAPER-I

Zoo-MJ- I **Full Marks:75 (60+15)**

SECTION-A

UNIT-I: Non-Chordates:

1. **General characters and classification up to class:**
   - 1.1 Body cavities: Acoelomate, Pseudocoelomate, Coelomate
   - 1.2 Symmetry: Radial, Bilateral
2. **Protozoa:**
   - 2.1 Locomotion, Nutrition & Reproduction (General)
   - 2.2 Life cycle and pathogenicity of Leishmania
3. **Porifera:**
   - 3.1 Canal system (General)
   - 3.2 Life cycle of sycon
4. **Cnidaria:**
   - 4.2 Life cycle of Obelia
   - 4.3 Coral reefs
5. **Ctenophora**: Affinities
6. **Platyhelminthes:** Parasitic adaptation (General)

Hi-I Zoology

UNIT-II: Chordates:

1. **Chordates**- General characters and classification up to orders
2. **Urochordates & Cephalochordates-**
   2.1 General characters with example
   2.2 Retrogressive metamorphosis in Herdmania
3. **Cyclostomes: General characters**
4. **Pisces:**
   4.1 Type study- Labeo and Scoliodon
   4.2 Migration in Fishes
   4.3 Dipnoi
5. Amphibia: Parental care in Amphibia

UNIT-III: Comparative anatomy of vertebrates:

1. Skin
2. Heart
3. Aortic Arches
4. Coelom, Pseudocoel, Hemocoel

UNIT-IV: Phylogenetic relationship, origin & evolution

1. **Origin and Evolution of Amphibia**
2. **Origin and Evolution of Birds**
3. **Latimeria**
4. **Archeopterix**

MJ-1 Zoology

ZOO-MJ-I Lab **LIST OF PRACTICALS**

FULL MARKS: 25

Questions to be set from both units:

UNIT-I: Non Chordate:

A. STUDY OF SLIDES:

1. Protozoa : Amoeba ,Entamoeba,Paramecium, Leishmania
2. Porifera : Spicules, Gemule , T.S & L.S. of Sycon
3. Coelenterata : W.M.,T.S & L.S. of Hydra, Obelia Colony
4. Platyhelminthes: Fsaciola (wm), Larval forms

B. STUDY OF SPECIMENS:

1. Porifera : Sycon
2. Coelenterata : Aurelia , Porpita ,Physalia
3. Helminthes : Fasciola hepatica, Liver fluke , Ascaris

UNIT-II: Chordate:

A. DISSECTION:

Scoliodon: General anatomy, Afferent and efferent blood vessels

B. **MOUNTING**

Placoid, Cycloid, Ctenoid scales of fishes

C. **STUDY OF SLIDES:** T.S of Testes, Ovary, Skin, Liver, Pancreas, Stomach, Intestine (All Frog)

D. STUDY OF SPECIMENS:

1. Fish: Torpedo,Hammer headed shark, Hippocampus,Exocoetus, Anabas testudeneus,Channa punctatus,Clarias batrachus,Heteropneustes fossilis,Catla catla,Labeo rohita
2. Amphibia: Ichthyophis, Hyla,

E. OSTEOLOGY: Study of vertebrae &Limb bones of Amphibia, and Mammal

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17. Todd, D. K. (1995): Groundwater hydrology, John Wiley and Sons.

4 **MAJOR COURSE**– MJ-1/VPG-GEL (Credits: Theory- 4, Practicals-02)

- Marks: 15 (5 Attendance & others + 10 SIE: 1Hr. + 60 (ESE: 3hrs) =75 .
- Instruction to Question Setter for Semester Internal Examination (SIE 10+5=15 Marks).
- The Semester Internal Examination shall have two components Pass Marks: Th. (MSE + ESE) = 30.
- [a] One Semester Internal Assessment Written Test (SIA) of 15 Marks.
- [b] Class Attendance Score (CAS) including the behaviour of the students towards teacher and other student of the college of 5 marks.
- End Semester Examination (ESE 60 marks) There will be two groups of questions : - .
- Group A is compulsory which will contain three questions. Question No. 1 will be very short answer type consisting of five questions of 1 mark each. Question No. 2 & 3 will be short answer type of 5 marks each.
- Group B will contain descriptive type five questions of fifteen marks each, out of which any three are to be answered Note: There may be sub divisions in each question of group B .

SEMESTER-I [Credit – 4, Marks 60 + 15].

1. **SECTION-A: PHYSICAL GEOLOGY** Geology- its branches with other branches of science. Study of atmosphere and hydrosphere, Radioactivity and age of the earth, an elementary idea of seismic waves and interior of the earth. Origin of the earth. Earth in the solar system-Size, Shape, Mass, Density, Rotational and Revolutional parameter. Concept of isostasy, Origin and significance of mid-oceanic ridges and trenches. Sea floor spreading, continental drift. Brief idea about plate tectonics. Mitigation of environmental hazards- Earthquakes, floods, landslides. Exogenic and endogenic geomorphic processes. A detailed account of the geological work of natural agencies- groundwater, rivers, glaciers, ocean and wind. Drainage pattern and its significance.
2. **SECTION-B: IGNEOUS PETROLOGY** Magma- its nature and composition. Form and structure of igneous rocks. Texture of igneous rocks. Classification of igneous rocks. Bowen's reaction series and its significance. Magmatic differentiation and assimilation. Concept of Phase diagrams; Crystallization of unicomponent and bicomponent (immiscible and solid solution) magma. Magmatism in the oceanic domains MORB, OIB), Magmatism along the plate margins (Island arcs/continental

Mj-1 Geology

arcs); Petrographic notes on granite, granodiorite, diorite, rhyolite, trachyte, syenite, gabbro, basalt, dolerite, anorthosite, dunite and pyroxenite.

BOOKS RECOMMENDED

1. Best, Myron G. (2002): Igneous and Metamorphic Petrology, Blackwell Science.
2. John D. Winter 2001. An Introduction to Igneous and Metamorphic Petrology. Prentice Hall Inc.
3. Principles of physical geology- Holmes.
4. Geomorphology- P. Dayal.
5. Principles of Geomorphology- Thornbury. W. D.
6. Blatt, H. and Tracy, R.J. (1996): Petrology (Igneous, Sedimentary, Metamorphic), W.H. Freeman and Co., New York.
7. Ehlers, E.G. & Blatt, H (1982): Igneous, Sedimentary and Metamorphic Petrology, CBS Publ.
8. Tyrrell, G.W. (2019). Principles of Petrology: An Introduction to the Science of Rocks 2nd Edition.
9. Loren A. Raymond 2002. Petrology: The study of Igneous, Sedimentary and Metamorphic rocks. Mc Graw Hill. New York
10. Cox, K.G. Bel, J.D. and Pankthrust, R.J. 2002. The interpretation of Igneous rocks. Allen and Unwin, London.
11. Principles of engineering Geology :- K.M. Bangar.
12. A textbook of Geology - G. B. Mahaptra

PRACTICALS: [Credit – 2, Marks – 25]- No Internal

1. Megascopic study of important igneous rocks. 2. Microscopic study of common igneous rocks. 3. Determination of Epicentre through given data.
4. Identification of Drainage pattern in a Topographic Map.
5. Practical records and viva-voce Book:

- Ajoy Kumar Sen - Laboratory manual of Geology; Modern Book Agency Private Limited, Calcutta.
- N. W. Gokhale – Manual of ch Geological Maps: CBS Publishers & Distributors Pvt. Ltd.

BY

Par

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cum
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Major- I- Eng

(7)

SEMESTER- 1

Paper Code: MJ-1 **No. of Credits-06**

Paper Title: ENGLISH LITERATURE: FUNDAMENTALS AND BRIEF HISTORY

Full Marks: 25 (SIE: 1Hr) +75 (ESE: 3 Hrs) = 100
Pass Marks: (SIE+ESE) = 40

Unit 1 - Understanding Literature

Topics/Terms:-

Literature: Definition, Meaning and Importance, **Poetry**: Meaning and Varieties (Lyric, Ode, Sonnet, Elegy, Epic, Mock Epic, Ballad, Dramatic Monologue, Verse Drama), **Drama**: Meaning and Varieties (Miracle, Morality and Mystery Plays; Comedy, Tragedy, Tragi-comedy, One Act Play), **Novel**: Meaning and Varieties (Epistolary Novel, Picaresque Novel, Domestic Novel, Historical Novel, Regional Novel, Psychological Novel, Science Fiction) **Essay**: Meaning and Varieties (Narrative Essay, Descriptive Essay, Argumentative Essay, Formal Essay, Personal Essay, Periodical Essay) **Other Genres** (Short Story, Satire, Allegory, Autobiography, Biography, Travelogue)

Unit 2 - Figures of Speech and Literary Devices/Terms

- Simile, Metaphor, Anti-thesis, Alliteration, Paradox, Pun, Transferred Epithet, Onomatopoeia, Anaphora, Synecdoche, Apostrophe, Hyperbole, Personification, Sarcasm, Metonymy
- Plot, Sub-Plot, Theme, Motif, Character, Characterization, Exposition, Conflict, Denouement, Point of View, Flashback, Setting
- Irony, Chorus, Comic Relief, Dialogue, Monologue, Soliloquy, Climax, Anti-climax, Mime, Spectacle, Prologue, Epilogue
- Verse, Imagery, Rhyme Scheme, Internal Rhyme, Half Rhyme, Enjambment, Meter & Types of Meter, Stanza & Types of Stanza, Blank Verse, Free Verse, Heroic Couplet

Unit 3 - From Chaucer to the Early Modern Age

Topics/Terms:

Renaissance, Elizabethan Poetry, University Wits, Senecan Tragedy, Elizabethan and Jacobean Drama, Shakespearean Tragedy, Comedy of Humours, Caroline Poetry, Metaphysical Poetry

Authors: Geoffrey Chaucer, William Shakespeare, Ben Jonson, Edmund Spenser, John Donne, John Milton

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MJ-1 English

Unit 4 - **The Restoration and the Augustan Age**

Topics/Terms:-

Restoration, Comedy of Manners, Heroic Tragedy, Augustan, Neo-Classicism, Characteristics of Neo-Classical Poetry, 18th Century Satire, Precursors of Romantic Revival, Four Wheels of English Novel

Authors: John Dryden, Alexander Pope, Dr. Samuel Johnson, Joseph Addison, Henry Fielding, Jonathan Swift

Unit 5 - **The Romantic and the Victorian Age**

Topics/Terms:-

Romantic Revival, Romanticism, Characteristics of Romantic Poetry, Return to Nature, Impact of Industrialization, Victorian Compromise, Victorian Morality, Victorian Poetry, Pre-Raphaelite Poetry, Victorian Novel (Early and Later), 18th Century Women Novelists

Authors: William Wordsworth, S.T. Coleridge, P.B. Shelley, John Keats, A.L. Tennyson, Robert Browning, Matthew Arnold, Charles Dickens, George Eliot, Thomas Hardy

Unit 6 - **The 20th Century Literature**

Topics/Terms:-

Modern Psychological Novel, Stream of Consciousness Technique, Georgian Poetry, War Poetry, Realism, Symbolism, Imagism, Expressionism, Revival of Verse Drama, The Problem Play/ Drama of Ideas, Theatre of the Absurd, Modernism, Post-modernism

Authors: T.S. Eliot, W.B. Yeats, Philip Larkin, D.H. Lawrence, James Joyce, E.M. Forster, G.B. Shaw, Samuel Beckett

Distribution of Marks for Semester Internal Examination (SIE) – Total: 25 Marks

The Semester Internal Examination (SIE) shall have two components:

a. **Semester Internal Assessment Test (SIA) of 20 marks**
b. **Class Attendance Score (CAS) of 05 marks**

In **Semester Internal Assessment Test (SIA)** there will be two groups of questions. **Group A** is compulsory which will contain **two** questions. **Question no. 1** will be very short answer type consisting of five questions of 01 mark each. **Question no. 2** will be short answer type of 05 marks. **Group B** will contain descriptive type two questions of 10 marks each, out of which **any one** is to be answered.

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Major - I - Hindi

(8)

Major Paper – 1

प्रथम छमाही

विषय कोड –

अंक – 75 (Credit - 5)

क्रेडिट – 05+01

आंतरिक मूल्यांकन – 25 (Credit - 1)

कुल अंक – 100 (Credit – 06)

इकाई 1. भारतीय ज्ञान परंपरा के अंतर्गत हिंदी साहित्य का इतिहास एवं उसकी पृष्ठभूमि (काल विभाजन एवं नामकरण, आदिकाल की सामाजिक एवं सांस्कृतिक पृष्ठभूमि, आदिकालीन कव्यधाराएं एवं प्रवृत्तियां, आदिकालीन कवि) - 02 क्रेडिट

इकाई 2. आदिकाल के प्रमुख कवि एवं उनका काव्य -01 क्रेडिट

अमीर खुसरो (व्याख्या एवं समीक्षा)

पांच पद– गोरी सोवे, खुसरो रैन, देख मैं, चकवा-चकवी, सेज सूनी.

चंदबरदाई (व्याख्या एवं समीक्षा)

कन्वज्ज समय (पृथ्वीराज रासो) – आरंभ के पांच पद

विद्यापति (व्याख्या एवं समीक्षा)

पदावली – पद संख्या – 1,49, 54, 55, 58

इकाई 3. भक्तिकाल (भक्ति आन्दोलन : सामाजिक सांस्कृतिक पृष्ठभूमि, कव्यधाराएँ एवं प्रवृत्तियां) - 02 क्रेडिट

इकाई 4. –भक्तिकालीन प्रमुख कवि एवं उनका काव्य -01 क्रेडिट

कबीरदास (व्याख्या एवं समीक्षा)

साखी – गुरुदेव को अंग 1, 5, 7, 11, 13

विरह को अंग 4, 10, 12, 20, 23

मलिक मुहम्मद जायसी(व्याख्या एवं समीक्षा)

मानसरोदक खंड – पद संख्या 1, 2, 3

सूरदास (व्याख्या एवं समीक्षा)

भ्रमरगीत सार पद संख्या – 7, 21, 23, 24, 26

तुलसीदास (व्याख्या एवं समीक्षा)

रामचरित मानस, अयोध्याकाण्ड – पद संख्या 28 से 41

M.A. I - Hindi

सामान्य निर्देश/अंक विभाजन

1. प्रश्न पत्र की अवधि तीन घंटे की होगी।
2. प्रश्न पत्र के दो खंड होंगे जो क्रमशः दीर्घउत्तरीय एवं लघु उत्तरीय/वस्तुनिष्ठ प्रकार के होंगे।
3. दिए गए खंड क से चार प्रश्नों के उत्तर अपेक्षित हैं।
4. दिए गए खंड ख से दो लघु उत्तरीय एवं पांच वस्तुनिष्ठ प्रश्न होंगे।
5. खंड क - 15×04 = 60 अंक
   खंड ख (लघु उत्तरीय) - 05×02 = 10 अंक
   खंड ख (वस्तुनिष्ठ) - 01×05 = 05 अंक

	75 अंक
आंतरिक मूल्यांकन – एक लिखित परीक्षा	10 अंक
एक मौखिक परीक्षा	10 अंक
उपस्थिति	05 अंक
	100 अंक

विशेष :- विभागीय शिक्षकों के अतिरिक्त मौखिकी हेतु एक वाह्य परीक्षक अनिवार्य होगा।

सहायक ग्रंथ व पाठ सामग्री

1- डॉ. नगेन्द्र व डॉ हरदयाल, हिंदी साहित्य का इतिहास
2- शुक्ल, रामचंद्र, हिंदी साहित्य का इतिहास, नागरी प्रचारणी सभा, वाराणसी
3- पांचाल, डॉ, परमानंद, अमीर खुसरो : व्यक्तित्व एवं कृतित्व, हिंदी बुक सेंटर
4- शुक्ल, रामचंद्र, त्रिवेणी, लोकभारती प्रकाशन, इलाहबाद
5- साही, विजयदेव नारायण, जायसी, हिन्दुस्तानी अकादमी, इलाहबाद
6- श्रीवास्तव, परमानंद, जायसी, साहित्य अकादमी
7- दीक्षित, आनंद प्रकाश, विद्यापति पदावली, साहित्य मंदिर प्रकाशन, ग्वालियर
8- बेनीपुरी, रामबृक्ष, विद्यापति, लोकभारती प्रकाशन, इलाहबाद
9- दास, श्यामसुंदर, कबीर ग्रंथावली, नागरी प्रचारणी सभा, वाराणसी
10- शुक्ल, रामचंद्र, जायसी ग्रंथावली, नागरी प्रचारणी सभा, वाराणसी
11- शुक्ल, रामचंद्र, भ्रमरगीत सार, नागरी प्रचारणी सभा, वाराणसी
12- गोस्वामी, तुलसीदास, श्रीरामचरित मानस, गीता प्रेस, गोरखपुर

Major-1- Santali

(9)

पाहिल सेमेस्टर

MJ – I

Credit – 6

End Semester Exam. Marks- 75

Internal Marks – 25

संताली पारसी सांवहेंत् रेयाक् नागामः आद जुग (1854ई० खोन माड़ाङ) आर ताला जुग (1855 ई० खोन 1946 ई० हाबिच्)

History of Santali Language-Literature: Ancient (Before 1854 AD) & Medieval Age (1855 AD to 1946 AD)

UNIT-1 आद जुग– होड़ सेरेञ, होड़ काहनी, होड़ काथा, बाँखेड़, कुदुम, भेनता काथा, काहतुक (मेन काथा)।

UNIT-2 ताला जुग– बिदेशी मिशनरी सांवहेतियाको

UNIT-3 बिदेशी बे-मिशनरी सांवहेतियाको

UNIT-4 भारोतिया सांवहेतियाको

UNIT-5 संताली खोबोर साकाम (होड़ होपोन रेन पेड़ा, पेड़ाहोड़, ढारवाक् आर मारसाल ताबोन) रेयाक् जानाम आर गुनको

गोक्ड़ो पुथीको –

1. संताली भाषा और साहित्य : उद्भव एवं विकास– डॉ0 डोमन साहु 'समीर', अभिराम प्रकाश, समीर कुटीर, टी. विलासी, देवघर।
2. संताली भाषा –साहित्य का इतिहास– डॉ0 उमाशंकर, साहित्य संसद, देवघर।
3. संताली साहत्यि रेयाक् इतिहास– प्रो. सनातन हॉसदा, संताली साहित्य प्रकाशक, दुमका।
4. सांवताली भाषा ओ साहित्येर इतिहास– डॉ0 धीरेन्द्रनाथ बास्की, संतोषी प्रिंटर्स, नारकेलडांगा, मेन रोड, कोलकाता– 71
5. संताली साहित्येर संक्षिप्त परिचय– परिमल हेम्ब्रम, माराडबुरू प्रेस, माचेदा, पूर्व मेदिनीपुर– 721137
6. सांवताली साहित्येर इतिहास– परिमल हेम्ब्रम, निर्मल बुक एजेंसी, महात्मा गाँधी रोड, कोलकाता– 07
7. बिबलीयोग्राफी : संताली लिटरेचर– गुरूचरण मुर्मू और अमल कु0 दास, विश्वनज 9/3 तामेर लेन, कोलकाता
8. सान्ताड़ी सांवहेंत् रेयाक् ओमोनोम आर हारा– डा. कृष्ण चन्द्र टुडू, संताली साहित्य परिषद, राँची।
9. होड़ होपोन रेन पेड़ा, पेड़ाहोड़, ढारवाक्, मारसाल आर मारसाल ताबोन
10. The Munda Language- Edited by Gregory D.S. Anderson

06.08.22 6/8/22 06/8/22

नोम्बोर हाटिञ

MJ-I Santali

मुचात् सेमेस्टर बिड़ाव (End Semester Exam 75 Marks)

Group A- जोतो कुकली को रेयाक् गे तेला/जोबाब एमोक् होयोक् आ–

1. आडी खाटोते तेला एमावाक् 5 कुकली को X 1 नोम्बोर = 5 नोम्बोर
2. खाटोते तेला एमावाक् 2 कुकलीकिन X 5 नोम्बोर = 10 नोम्बोर

Group B- जेलेञ जोबाब आनाक् कुकली को

6 कुकली को मोद खोन 4 कुकली को रेयाक् गे तेला/जोबाब एमोक् होयोक् आ X 15 नोम्बोर = 60 नोम्बोर

सेमेस्टर भितरी तेयाक् बिड़ाव (Semester Internal Exam – 25 Marks)

1. ओलोक् बिड़ाव (Wrriten Examitoin)/Assignment/ Project/Tutorial – 20 नोम्बोर
2. हाजरी– 05 नोम्बोर

(हाजरीरे दो 45% रे 1 नोम्बोर, 45 खोन 55% रे 2 नोम्बोर, 55 खोन 65% रे 3 नोम्बोर, 65 खोन 75% रे 4 नोम्बोर आर 75 खोन 100% रे 5 नोम्बोर जामोक् आ।

06.08.22 6/8/22 06/8/22

Major-I - Sanskrit

(10)

CURRICULUM FRAMEWORK AND CREDIT SYSTEM FOR THE FOUR-YEAR UNDERGRADUATE PROGRAMME (FYUGP)

As per Provisions of NEP-2020

Academic Year 2022-23

S K M University Dumka (Jharkhand)

Subject – SANSKRIT (संस्कृत)

Major Paper 1

Credit - 6

Code – MJ SNK-1

Paper Title - संस्कृत भाषा नैपुण्य

Major Paper 1

सेमेस्टर 1 (संस्कृत)

पूर्णांक 100 *संस्कृत भाषा नैपुण्य* **Credit - 6**

परीक्षा में प्रश्न के चयन तीन प्रकार का किया जाएगा जिसमें 20 प्रतिशत प्रश्न वस्तुनिष्ठ 30 प्रतिशत लघूत्तरीय और 50 प्रतिशत दीर्घ उत्तरीय होंगे।

पाठ्यक्रम

यह पाठ्यक्रम पाँच इकाइयों में विभक्त है।

1. इकाई क – वर्ण, प्रत्याहारसूत्र, संज्ञा प्रकरण, पारिभाषिकशब्द (संहिता, गुण, वृद्धि, प्रातिपदिक, नदी, घि, उपधा, अपृक्त, गति, पद, विभाषा, टि, प्रगृह्य, सवर्ण, सर्वनामस्थान, निष्ठा)
2. इकाई ख – शब्दरूप(बालक, लता, फल, मुनि, नदी, मति, साधु राजन्, आत्मन्, जगत्, अस्मद्, युष्मद्, तत्, सर्व, किम्) धातुरूप (पठ्, पा, दृश, गम्, भू, अस्, सेव, लभ्, हन्, कृ, श्रु, ग्रह्, क्री)लट्, लृट्, लङ्, लोट् और विधिलिङ् लकारों में, वाच्य : कर्तृ, कर्म और भाव वाच्य सामान्य प्रयोग
3. इकाई ग – कारक (सामान्य अध्ययन), उपसर्ग, प्रत्यय : तुमुन्, क्त्वा, ल्यप्, क्त, क्तवतु, शतृ, शानच्, टाप्, ङीप्, ति, तल्, णिनि, त्व, मतुप्, वतुप्, ठक् (सामान्य अध्ययन एवं प्रयोग)
4. इकाई घ – सन्धि प्रकरण (अच्, हल् व विसर्ग) सामान्य अध्ययन, प्रमुख शब्दों के सन्धिविच्छेद
5. इकाई ङ – अनुवाद (संस्कृत से हिन्दी/अंग्रजी और हिन्दी/अंगेजी से संस्कृत भाषा में) व लघुनिबन्ध (पारम्परिक व समसामयिक)

सन्दर्भ ग्रन्थ –

1. लघुसिद्धान्तकौमुदी (वरदराज कृत) भैमी व्याख्या
2. लघुसिद्धान्तकौमुदी (वरदराज कृत) महेश सिंह कुशवाहा
3. प्रारम्भिक रचनानुवादकौमुदी , डॉ0 कपिलदेव द्विवेदी
4. रूप चन्द्रिका, ब्रह्मानन्द त्रिपाठी

B.A. Semister I

Major Course

Urdu Fiction **Paper - I** **(Credits:Theory-06,Tutorial-01)**

Marks : 25 (MSE: IHr) + 75 (ESE: 3Hrs)=100	Pass Marks: Th (MSE+ESE)=40

سوال نامے کے لیے ہدایات:

درمیان سیمسٹر امتحان

اس میں سوالات کے دو گروپ ہونگے۔الف ،تحریری امتحان :دس نمبرات۔گروپ ،ب۔شفوی امتحان دس نمبرات۔ج ۔حاضری ،پانچ نمبرات

نوٹ :شفوی امتحان میں باہرکا ایک اکسپرٹ کا ہونا لازمی ہوگا

سیمسٹر امتحان

سوالات کے دو گروپ ہوں گے۔گروپ 'A' لازمی ہے جس میں دو سوالات ہوں گے۔سوال نمبر 1 میں ایک نمبر کے دس مختصر ترین جوابوں والے سوالات ہوں گے۔سوال نمبر دو مختصر جواب والا پانچ نمبروں کا سوال ہوگا۔گروپ 'B' میں پندرہ نمبروں کے تفصیلی جواب والے چھ سوالات ہوں گے جن میں سے کسی چار کا جواب دینا ضروری ہوگا۔

نوٹ: تھیوری امتحان میں پوچھے گئے ہر سوال میں ذیلی تقسیم ہوسکتی ہے۔

Urdu Fiction

اردو فکشن

Unit-I

داستان کا فن

میر امن کی داستان نگاری

مرزا رجب علی بیگ سرور کی داستان نگاری

Unit-II

باغ و بہار (سیر پہلے درویش کی) متن کی تدریس

فسانۂ عجائب (آغاز داستان) متن کی تدریس

Unit-III

ناول نگاری کا فن ارتقا

ناول کے اجزائے ترکیبی

Unit-IV

ناول	امراؤ جان ادا	مرزا ہادی رسوا
ناول	گردش رنگ چمن	قرۃ العین حیدر
ناول	نرملا۔	پریم چند

معاون کتب:

۱۔	ناول کا فن	۔	وقار عظیم
۲۔	اردو ناول کی روایت اور مسائل	۔	گوپی چند نارنگ
۳۔	داستان سے افسانے تک	۔	وقار عظیم
۴۔	اردو ناول: تعریف، تاریخ اور تجزیہ	۔	صغیر افراہیم
۵۔	تین ناول نگار	۔	رضی عابدی
۶۔	نرملا	۔	پریم چند
۷۔	گردش رنگ چمن	۔	قرۃ العین حیدر
۸۔	امراؤ جان ادا	۔	مرزا ہادی رسوا

Major-I-Bengali

(12)

MAJOR COURSE BEN - 1

SEM - 1

Total Marks - 100 Credits - 06

বাংলা সাহিত্যের ইতিহাস

প্রাচীন ও মধ্যযুগের বাংলা সাহিত্যের ইতিহাস সম্পর্কে সম্যক ধারণা ও তার বিশ্লেষণ।
বাংলা সাহিত্যের ইতিহাসে বিভিন্ন ধারার কবি ও তাঁদের রচনা সম্পর্কে অবহিত হওয়া।
স্থান ও কালের সঙ্গে সঙ্গে রচনাগুলির মূল্যায়ন ও ক্রমিক বিশ্লেষণ।

প্রথম পত্র : আদি ও মধ্যযুগের বাংলা সাহিত্যের ইতিহাস

১। দশম থেকে ত্রয়োদশ শতাব্দী
২। চতুর্দশ থেকে পঞ্চদশ শতাব্দী
৩। ষোড়শ শতাব্দী
৪। সপ্তদশ থেকে অষ্টাদশ শতাব্দী

সহায়ক গ্রন্থ :

১। বাংলা সাহিত্যের ইতিহাস – সুকুমার সেন
২। বঙ্গভাষা ও সাহিত্য – দীনেশচন্দ্র সেন
৩। বাংলা সাহিত্যের ইতিবৃত্ত – অসিতকুমার বন্দ্যোপাধ্যায়
৪। বাংলা সাহিত্যের রূপরেখা – গোপাল হালদার
৫। বাংলা সাহিত্যের বিকাশের ধারা – শ্রীকুমার বন্দ্যোপাধ্যায়

Paper code -1

page -2
Semeste -1
No. of. Credit 06

Paper Title:Persian Literature (Prose)

Full Marks -100

Unit -1 Nasar -Types of Nasar

Asnaf –e-Nasar

Novel, Drama, Daastan –e- Kotah

Unit -2 sarzameen - e – Hind : Zaban e – Farsi DarHind .

Unit -3 Sanai Zarifah Dar Asr-e-Islami

(a) memari (b) Fann-e Naquashi

(c) Sanat- e- Khattati wa kush Nawisi

(d) Sanat- e-Kitab Nawisi

Unit -4 Jahangir Nama

Unit -5 Daastan –e- Kotah

a) Azaan –e- Magrib
b) Khana –e- Pedri
c) Khudkushi

Unit -6

a) ISM & types of ISM
b) Zammer & types of Zameer
c) Sifat & types of Sifat

Books prescribed :

1. Nesab –e- jadeed Farsi – by Jayeed press, Balimaran , Delhi

MJ-1 - Persian

2. Irani Zaban ka Quida- Published by Ram Narayan Lal Arun Kumar Allahabad

Distribution of Marks for End Semester Examination (ESF)- (Total Marks -75)

Group A (Compulsory)

I. 05 very short answer types of Question 1x5=5
Altogether six questions will be set for this section (one from each unit) the examinee will be required to answer any five questions.

II. 01 Short answers type question (to be answered in approx - 250 words)= 5 One short answer type question with an alternative from the first three units (Unit 1,2 and 3) will be set

III. 01 Short answers type question (to be answered in approx 250 words) =5
One short answer type question (Explanation in case of units containing poems) with an alternative from the last three units (unit 4, 5 and 6) will be set

Group 'B'

IV 04 Descriptive type questions (to be answered in approx 600 words) 15X4=60

Group 'B' will contain six descriptive type questions (one from each unit) the examinee will be required to answer any four questions.

1. Dr .Md. Masood Ahmad
ASST. Professor
Deptt. of Persian
Millat College, Parsa
2. Md. Islam uddin
Head of the Department of Persian
A.N College , Dumka

Major-I- Philosophy

(14) 06

Major Paper-1(Disciplinary /Interdisciplinary Major)

U.G.Semester-01 Paper Code-MJ-1

Philosophy Credit-06

Indian Philosophy Full Marks -100

Unit-1

Veda: Basic Concepts in brief

Upanisad: Main Ideas in brief

Unit-2

Gita: Jnana-yoga, Karma-yoga, Bhakti-yoga, Nishkam-karma.

Unit-3

Heterodox Systems:

Charvaka- Materialism, Perception

Jaina- Syadavada, Jiva, Anekantvada , Bondage and Liberation

Buddha- Four noble truth ,kshnikVada,AnatmaVada.

Unit-4

Orthodox Systems: I

Samkhya- Satkaryavada, Prakriti, Purush, Theory of evolution

Yoga- Eight-fold-yoga,Concept of God

Nyaya- Pratyaksha, Anumana, Shabda, Upamana, Argument proofs for the existence of God

Vaisheshika- Padarth (Dravya, Guna, Karma, Samanya, Vishesh, Samvaya, Abhava)

Unit-5

MJ-I philosophy

Orthodox Systems: II

Mimansa- Dharma, Apurva, Pramanyavada

Advaita Vedanta- Brahman, Atman, Jagat, Maya, Bondage and Liberation

Vishishtadvaita- Brahman, Isvar, Atman, Jagat, Maya, Bondage and liberation

Objectives:

The main objective of this paper is to develop in-depth understanding of students about the major concepts of main systems and sub-systems of Indian Philosophy.

Out Come:

The learning outcome of the course is that, after studying this paper, students will be able to understand the major systems of Indian Philosophy in depth and details.

Suggested Readings:

M Hiriyanna	Outlines of Indian Philosophy
C D Sharma	A Critical Survey of Indian Philosophy
S N Dasgupta	A History of Indian Philosophy (vol.itov)
S Radhakrishnan	Indian Philosophy (vol.i&ii)
P T Raju	Structural Depth of IndianThought
Datta and Chatterjee	Introduction to Indian Philosophy
H P Sinha	Bhartiya Darshan Ki Ruprekha

Major-I - Geography Sem-I (15)

MAJOR COURSE (MJ 1)

Credits-6

F.M. -100

THEORY- 75

PRACTICAL- 25

GEOMORPHOLOGY

UNIT I

Nature and Scope of Geomorphology, Geological Time Scale, Origin of the Continents and Oceans: Wegner's theory; Plate tectonics and Earth surface configuration, Interior Structure of the Earth.

UNIT II

Major Landforms: Mountains, Plateaus, plains: their classification and distribution; Earth's Materials: Rocks- their origin, classification, and characteristics.

UNIT III

Earth Movements: Endogenetic Processes: Eperogenetic and Orogenetic - Folds and Faults: Earthquakes- Classification and world distribution; Volcanic activity: causes, types, distribution and resultant landforms.

UNIT IV

Geomorphic agents and processes: Exogenetic Processes- Denudational agents Weathering Process: Physical, Chemical and Biological; Mass wasting; Cycle of Erosion: Davis and Penck.

UNIT V

landforms; Fluvial, Aeolian, Karst, Coastal and Glacial landforms; Recent Trends in Geomorphological Studies.

MJ-1 Geography

PRACTICAL – MJ 1

F.M – 25 **Time – 3 hours**

Unit - I:

Definition and Scope of Cartography; Scale: Concept and Methods of Representation; Drawing of Plain, Comparative and Diagonal Scales. - 10 marks

Unit - II:

Cartographic Techniques: Bars- Simple, multiple and compound; Wheel Diagram-simple, compound and proportional circle; Thematic Mapping: Choropleth and Isopleth. -10 marks.

Practical record and Viva-voce - 5 marks

REFERENCE:

1. Dayal, P., 2015: Text-Book of Geomorphology, Shukla Book Depot, Patna.
2. Gabler R.E, Peterson. J.F.,Trapasso, L.M. 2009. Essentials of Physical Geography Brooks/ Cole CengageLerning.
3. Kale, V. and Gupta, A., 2004. Elements of Geomorphology. Oxford University press, Calcutta.
4. Strahaler, A.H., 2013 (6th edition). Introducing Physical Geography. Wiley Pub.
5. Thornbury, W.D., 1991. Principles of Geomorphology, Wiley Eastern Ltd., New Delhi
6. Worcester, P.C. 1969. Text Book of Geomorphology. East West Press, New Delhi.
7. Savindra Singh. Fundamental Concepts in Geomorphology. PrayagPustakBhavan, Allahabad.
8. Gautam, A. 2015. Geomorphology. ShardaPustakBhawan.
9. Hugget, R.J. 2011. Fundamentals of Geomorphology. Routledge Pub.
10. Harvey, 2012. A. Introducing Geomorphology: A Guide to Landforms and Processes. Dunedin Academic Press

16.08.22
H. O. D.
P.G. Dept. of Geography
S.K.M.U., Dumka

Major-I- Eco

(16)

Semester-I

Learning Outcome- At the End of semester the course will enable to students to understand the basic concept & fundamentals of micro analysis and will also develop the ability of the students for analysis and application micro analysis in the field.

Subject- ECONOMICS
Paper-Major Paper-1 (MJ-1)
Total Credit-06

Full Marks-100
Internal Exam- 25
End Exam-75

UNIT-I Introduction

Definition, Nature and Scope of Economics: Micro and macro Economics; Positive and Normative Economics; Dynamic and Comparative Static Economics, Central Economic Problems: Scarcity and Choice; Production Possibility Curve/Frontier.

UNIT- II: Consumer's Behaviour, Cardinal and Ordinal Approach, Demand Analysis.

Concept of Utility ,Marginal utility, Diminishing marginal utility its assumption and significance.Utility analysis and consumers equilibrium under Marshalls utility analysis. Ordinal Utility analysis, Indifference Curve and its properties, Budget Line, Consumer's Equilibrium, Concept of Revealed Preference. Income Effect, Substitution Effect and Price Effect through Indifference curve technique. Income Consumption Curve and Price Consumption Curve; Normal, Inferior and Giffen Goods. Consumer's Surplus and its measurement.

Law of Demand: its assumption, exception and significance; Factors Influencing Demand; Elasticity of Demand; Price, Income and Cross Elasticity of Demand, Engel's Curve.

UNIT-III : Production Analysis

Production Function: Short Run and Long Run, Low of Variable Proportions, Return to Scale.
Cobb-Douglas Production Function and its Properties, Iso-Product Curve and its properties; Iso-Cost Line; Producer's Equilibrium.

UNIT-IV: Costs and Revenue Analysis

Cost - its type, Short run and long run cost curves, relation between average cost curve and marginal cost curve. Total, Average and Marginal Revenue and their inter-relationship.

UNIT-V : Equilibrium of Firms and industries

Equilibrium of Firm and industry in different market condition

Readings

1. A. Koutosiannis, Modern Micro Economics, Macmillan Press , New Delhi
2. H.L.Ahuja, Advanced Economic Theory
3. M.L. Jhingan , Micro Economics
4. W.J. Baumal, Economic Theory &Operational Analysis

Major Course: Ancient Indian History: Early Times to Mauryan Age

MJ - I - History (17)

Course Objective: The Course aims at familiarizing students with India's heritage as well as the important developments in the period covered under this paper. It further seeks to enable them to appreciate the complexity of the changes occurring in the past and to critically analyse the several contexts and processes related to India's ancient past.

Learning Outcomes: After the completion of this course, a student is expected to –

- Appreciate the various historical sources and their role in the reconstruction of India's past
- Develop a sensitive attitude towards the various debates and perspectives related to India's ancient history
- Identify the continuities and changes in a particular historical period
- Formulate and express arguments related to historical events and processes
- Understand the close relationship between past events and contemporary developments

Unit I:

i) Geographical background, physiography, major routes & communication, environment, people and languages
ii) Pre-History: Paleolithic Age, Mesolithic Age, Neolithic Age (Meaning, Distribution and Expansion) and chalcolithic age
iii) Survey of Sources and approaches to Ancient Indian History

Unit II:

i) Proto-History: Harappan civilization - origin, distribution, features and decline.
ii) The Vedic Civilization: Society, economy, polity and religion

Unit III:

i) Religious movement: Jainism and Buddhism
ii) Janapada & Mahajanapada; Early monarchical and republican states and their expansion
iii) Rise of Magadha as paramount political power (from Haryak dynasty to Nand dynasty)

Unit IV:

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Maj-I History

i) Political scenario in North-Western India
ii) Iranian invasion: Nature and Impact
iii) Alexander's Invasion: Nature and impact

Unit V:

i) The Mauryan Empire: Chandragupta Maurya, Bindusara, Ashoka
ii) Dhamma of Ashoka: concept and propagation
iii) Later Mauryas and causes of the decline of Mauryas

Unit VI:

i) Mauryan administration : nature and features
ii) Socio-economic developments during this period
iii) Technological developments during this period

Suggested Readings:

- Romila Thapar: Early India (Hindi translation as प्राचीन भारत)
- Romila Thapar: Ancient Indian Social History
- R S Sharma: Ancient India (Hindi translation as प्राचीन भारत)
- R S Sharma: Material culture and Social Formations in Ancient India
- D N Jha: Ancient India (Hindi translation as प्राचीन भारत)
- A L Basham: The Wonder that was India
- D D Kosambi: An Introduction to the Study of Indian History
- डी एन झा एवं श्रीमाली: प्राचीन भारत का इतिहास
- विशुद्धानंद पाठक: उत्तर भारत का राजनीतिक इतिहास
- वी डी महाजन: प्राचीन भारत का इतिहास
- उपिंदर सिंह: प्राचीन एवं पूर्व मध्यकालीन भारत का इतिहास

Major - I - Pol. Sc.

(18)

Sido Kanhu Murmu University, Dumka

Department of Political Science

Code: MJ -1 AN INTRODUCTION TO POLITICAL THEORY (Credits – 6, Full Marks 100)

Course Objective:

The course has been designed to introduce key concepts in politics to the students to sharpen their understanding of political discourses and the ability to make the scientific enquiry into the political phenomenon and political questions. Diverse traditions and approaches have been included in the scheme of teaching to make understanding comprehensive and insightful. Contemporary debates on key concepts like sovereignty, liberty, equality, democracy, and justice allow the students to understand the expanding horizons of discourses in the discipline.

Learning Outcomes:

a. Students will be able to learn key concepts needed to understand the political phenomenon.

b. They will come to know about the role and functions of Political theory.

c. They will learn what is power and how does it operate in society and politics.

d. They will be able to explain the debates on the procedural and distributive theories of justice.

e. They will come to understand and explain different theories and contemporary debates in democracy.

Unit I:

a. Political Theory: Nature, Significance &its Relevance

b. Origin and Development of State System

Unit II:

c. Power and Authority

Unit III

d. Sovereignty: Monism and Pluralism

MJ-1 Pol. Sci

Unit IV:

e. Liberty: Meaning, Positive and Negative Liberty

f. Equality: Meaning, Types, Relations between Liberty and Equality

Unit V:

g. Justice : Meaning, Types, Procedural and Distributive Justice

Unit VI

h. Democracy: Meaning and Growth. Liberal, Marxist and Elitist views on Democracy

Suggested Readings:

1. Bhargava, R and Acarya A(eds). Political Theory : An Introduction, Pearson Longman, New Delhi O.P.Gauba, An Introduction to Political Theory, MacMillan, New Delhi

2. Shorten, A. (2008) 'Nation and State', in McKinnon, C. (ed.) Issues in Political Theory, New York: Oxford University Press.

3. Sen, A. (2003) 'Freedom Favours Development,' in Dahl, R., Shapiro, I. and Cheibub, A. J. (eds.) The Democracy Sourcebook. Cambridge, Massachusetts: MIT Press.

4. McKinnon, Catriona,(eds) ' Issues in Political theory', Oxford University Press, New York

5. David Held., Political Theory and Modern State', Polity, London , 1994

6. Gyan Singh Sandhu, 'Political Theory', Delhi University, 1988.

7. Agrawal N.N., ' Principles of Political Science', S.Chand & Co. N.Delhi

8. S.P.Verma, 'Modern Political Theory', Vikas, New Delhi.

Major-I - Sociology

COURSE OUTCOME

SEMESTER-I
PAPER-MJ-I

- **To Provide an Introduction of Social Structure & Social Change.**
- **To Provide the Student the basic knowledge of Social Structure & Change of Society.**
- **To Familiarize the Students about the Major Segment in Social life**

SEMESTER-I
CREDIT-6
MARKS- 100
PAPER: MJ-I

Title: INDIAN SOCIETY

TOPICS:

Unit-1: Basic Institutions of Indian Society- Caste and its changing Dimensions, Family, Marriage.

Unit-2: The Structure and Composition of Indian Society- Villages, Towns, Cities, Rural-Urban Differences, Tribes, Weaker Sections, Dalits, Minorities, Women Population Profile and their related issues.

Unit-3: Change and Transformation in Indian Society- Sanskritisation, Westernisation, Modernisation, Industrialisation, Urbanistaion.

Unit-4: Women and Society- Status of Women (Vedic period to Present).

Unit-5: National Integration- Problems and Prospects.

Essential Readings:

1. रविन्द्र नाथ मुखर्जी – भारतीय सामाजिक संस्थाएँ
2. रविन्द्र नाथ मुखर्जी – भारत में सामाजिक परिवर्तन
3. जी . के . अग्रवाल – भारतीय सामाजिक संस्थाएँ
4. D.G. Memdalbaum - Society in India.
5. S.C. Dubey - Society in India.
6. M.N. Srinivas - Social Structure.
7. M.N. Srinivas - Social change in Morden India.

10/08/2021
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Sido Kanhu Murmu University
Dumka

Major-1- Psychology

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MJ- I

FOUNDATIONS OF PSYCHOLOGY

Eight questions of equal value (i.e. 15 marks each) will be set, out of which four questions are to be answered. Question number one will be compulsory comprising 15 objective type questions covering the entire syllabus.

Time 3 Hours **Full Marks = 75**

Unit 1: Introduction:

(a) What is psychology?

(b) Methods of psychology

(c) Subfields of psychology

(d) Psychology in modern India.

Unit 2 : Perception:

(a) Perceptual processing

(b) Role of attention in perception

(c) Perceptual organization

(d) Perceptual sets

(e) Perceptual constancies

(f) Depth perception.

(h) Illusions.

Unit 3 : Learning and Motivation:

(a) Learning concept.

(b) Theories of learning. Thorndike. Pavlov. Tolman.

(c) Motivation: Concept and types.

(d) Role of motivation in learning.

(f) Motivational conflicts.

Mj-1 Psychology

Unit 4: Memory

(a) Concept

(b) Type of memory

(c) Difference between LTM and STM

(d) Forgetting: Nature and Causes.

Unit-5 Intelligence

a. Definition
b. Types of intelligence
c. Theories of intelligence
   - Two - factor theory
   - Group factor
   - Multifactor theory
d. Intelligence measurement
   - Binet test
   - Alexander battery Performance test

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Readings List :

Baron, R. and Misra, G. (2013). Psychology. New Delhi: Pearson.

Chadha, N.K. and Seth, S. (2014). The Psychological Realm: An Introduction. New Delhi. Pinnacle Learning.

Ciccarelli, S. K. and Meyer, G. E. (2010). Psychology- New Delhi Pearson Education.

Passer, M.W. and Smith, R.E. (2010). Psychology: The science of mind and behaviour New Delhi: Tata McGraw-Hill.

HEAD
P.G. DEPTT. OF PSYCHOLOGY
B.K.M. UNIVERSITY, DUMKA

MJ-I psychology

Md. Suleman (2012) : Adhunic samanya Manougyan. Patna: Motilal Banarsidas.

Sing, A. K (2012). Adhunic samanya monavigyan. Patna: Motilal Banaridas.

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SEMESTER-I (INTRODUCTORY PAPER)

Program / Class: **Certificate**

Subject: Psychology

Course Title: Statistics in Psychological Research

Course Code: Paper- II (theory) Credit: 2

No. of Lectures: Tutorials-Practical- (in hours per week): L-T-P: 2-0-0

Course outcome: The students will learn about the basic concepts of statistics. Students will also learn how to prepare data, tabulation of scoring and analyzing the data. They will also learn the meaning of output result and its interpretation.

TEACHING: AT A GLANCE

Unit	Topic	No. of Lectures
I	*Concept of Statistics*	*06*
II	*Graphic representation*	*06*
III	*Central tendency*	*06*
IV	*Significance Difference*	*06*
V	*Dispersion*	*06*

SEMESTER –I

Paper-II

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B.R.A. UNIVERSITY, MUZAFFARPUR

Major-I - Anthropology

SEMESTER 1

MAJOR COURSE – ANT-MJ-1 (Credits : Theory-04)

Total Marks: 75 (15 Marks Internal Examination + 60 Marks End Semester Examination)

SOCIAL CULTURAL ANTHROPOLOGY Total Credit Hours: 60

Unit 1: Meaning and Scope of Anthropology , Main branches – social cultural , biological , prehistoric and linguistic ; Relationship with other disciplines :Life science , Earth science, Social cultural anthropology with sociology , psychology, history, economics, political science .

Unit 2: Concept and distinction between following : society and community , society and culture, culture and civilization, institution and association, groups: primary and secondary, band and tribe, social structure and social organization.

Unit 3: Marriage : Definition and universality; Laws of marriage (endogamy, exogamy, hypergamy, hypogamy, incest, taboo); Types of marriage (monogamy, polygamy, polyandry, group marriage); Functions of marriage; marriage regulations (preferential, prescriptive and proscriptive); marriage payments (bride wealth and dowry).

Unit 4: Family : Definition and universality; Functions; Types (from the perspective of structure); Kinship : definition, types, kinship terminology (descriptive and classificatory) , kinship usages , forms of descent groups (lineage, clan, phratry, moity).

Unit 5: Techniques and methods : field work / ethnography and survey research, comparative and historical method .

MAJOR PRACTICAL – ANT (Credit Practical-02)

Total Marks: 25 (25 Marks End Semester Examination) Total Credit Hours: 60

Experiment = 15 marks

Practical record notebook = 05 marks

Viva-voce = 05 marks

The practical will include the following techniques and methods in collection of data in Social Anthropology :

1. Observation
2. Interview
3. Questionnaire and Schedule
4. Case Study
5. Genealogy

GUIDELINES :

- Each student has to submit a report of practical / project work duly forwarded by the HOD of Department concerned .
- Each student will have to formulate a social cultural problem or development related project design under supervision of a teacher.
- Each student will have to visit field for data collection on his/her research project design under the supervision of teacher deputed by the HOD of Anthropology.
- The field work period will be for 4 weeks .
- The student will have to write report on their project work on the basis of data gathered from the field .
- Final submission of project for evaluation and viva – voce examination .

Essential Reading :

- Beattie J. (1964) : Other cultures/London: Cohen & West Limited.
- Bernard, H.R. 1940. Research Methods in Cultural Anthropology.Newbury Park: Sage.
- Davis, K. 1981. Human Society. New Delhi : Surjeet Publication.
- Ember C.R. Anthropology, New Delhi .
- Belmont: Wadsworth.
- Upadhyay and Pandey: Samajik Sanskritik Maanavshastra .
- Mishra Uma Shankar, Saamaajik Maanav Vigyaan .
- Pandey Gaya : Social Cultural Anthropology.

2 | Major-1 - Labour Eco.

Semester I (Part 1)

MJ 1

Labour Economic

Unit 1 **Labour Economics**:- Definition, Nature, Scope, Methods of Study Relationship with other Social Science and its utility in understanding and solving labour problems

Unit 2 **Labour Market :-** Definition, Nature and characteristics, peculiarities of Indian Labour Market and Labour Marker of Santhal Pargana, Role of Demand and Supply of Labour in Labour Market.

Unit 3 **Labour Problem:-** Meaning, Nature, Causes and measures to minimize them

Unit 4 **Labour Productivity: -** Meaning, Determinants, causes of low productivity of Indian Labour and Measures to improve it.

Unit 5 **Theories of Wages** :- Subsistence Theory, Residual Claimant Theory, Wage Fund Theory, Marginal Productivity Theory, Modern Theory and Collective Bargaining Theory- Their assumptions and limitations

Books Recommended:

1. R.R. Singh, Maheswari and Singhal – Labour Economic
2. P.R.N. Sinha – Wage Determination
3. T.N. Bhagoliwal – Shram Arthashastra Ewam Samajik Suraksha (Hindi)
4. P.R.N. Sinha & Induwala – Shram Arthashastra (Hindi)

09/12/22
Asst Prof.
Dept. of L.S.W
B.S.K. College, Barhaiya

09/12/22
HOD
Dept. of L.S.W
B.S.K. College, Barhaiya

B.COM (H): FIRST SEMESTER **PAPER CODE: BCOM-MJ-1**

Marks: (External-75: Internal-25) **PAPER:** FINANCIAL ACCOUNTING

Duration: 3 Hrs.

Course Credits	No. of Teaching Hours Per Week	Total No. of Teaching Hours
06	06 Hrs	90 Hrs

Pedagogy: Classrooms Lecture, Seminar and Case study.

Course Objective: This course provides conceptual knowledge of financial accounting and the techniques for preparing accounts in different types of business organizations.

Course Outcomes: On successfully completion of the course, the students will be able to:

1. Understand the theoretical framework and basics concepts of accounting.
2. Understand the accounting for non-profit organization.
3. Exercise the accounting treatments for Hire Purchase, Installment purchase Systems and Leases.

Course Contents:

Unit 1: Introduction (20 Hours)

Accounting: Definition, Functions, Advantages, Limitations, Branches, Principles, Concept and Conventions. Accounting vs. Accountancy. Accounting Standard in India. Journal, Cash Book, Subsidiary Books, Ledger, Trial balance and Rectification of errors. Capital Expenditure and Revenue Expenditure.

Unit 2: Depreciation and NPO Accounting (20 Hours)

Depreciation: Concept, Nature, Factors Affecting Depreciation and Methods of Depreciation– Fixed Installment Method and Diminishing Balance Method. Accounting for Non Profit Organization: Receipts and Payment Account, Preparation of Income & Expenditure Account and Balance Sheet.

Unit 3: Accounting for Partnership Firm (25 Hours)

Partnership accounts: Fundamentals, Admission, Retirement and Death of a partner (only an overview), Accounting of Dissolution of Partnership Firm: Simple dissolution, Insolvency of all partners.

Unit 4: Special Types of Accounting (25 Hours)

Accounting for the Hire Purchase and Installment purchase Systems: Nature of these systems, difference between the two, Journal entries and preparation of ledger accounts in the books of

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MS-1 Commerce

purchaser and vendor. Accounting for Leases: Concept, Classification of leases (Simple practical problems).

Suggested Readings:

1. Anthony ,R.N Hawkins ,and Merchant ,Accounting : Text and Cases.McGraw – Hill Education.
2. Shukla ,M.C., T.S.Grewal and S.C. Gupta.Advanced Accounts.Vol. – I.S.Chand & Co.,New Delhi.
3. Maheshwari ,S.N and S.K.Maheshwari .Financial Accounting.Vikas Publishing House,New Delhi.
4. Bhushan Kumar Goyal and HN Tiwari ,Financial Accounting ,International Book House
5. Goldwin ,Alderman and Sanyal , Financial Accounting,Cengage Learning.
6. Tulsian ,P.C Financial Accounting,Pearson Education
7. Jain ,S.P and K.L .Narang .Financial Accounting,Kalyani Publishers ,New Delhi.
8. Gupta,Nirmal.Financial Accounting.Sahitya Bhawan ,Agra.
9. Shukla, S.M, Financial Accounting- Shahitya Bhavan Publications. (Hindi and English)
10. Dr. S.K.Singh, Financial Accounting, SBPD Publications.(Hindi and English)
11. Arun Kumar, Financial Accounting, New Central Book Agency (P) Ltd..

Latest edition of text books may be used.

05/08/20

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