

B.El.Ed. (YEAR - 2) Semester IV
Paper 10: Innovations in Education

Objectives:

The Pupil-teacher will be able:

- ❖ To develop awareness of various innovative practices and experiments in education.
- ❖ To develop awareness in contemporary modern issues and inspiring Innovations around the Globe.
- ❖ To enable students to develop innovative trends for growth and healthy living.
- ❖ To develop understanding of technical devices for inspiring innovations around the Globe.

Unit I

Innovation & Innovative Classroom

- Innovation– Meaning, concept, need and scope in view of technological, social change & scientific temper, Obstacles in innovation, role of Education in overcoming obstacles and in bringing innovations.
- Innovative Classroom: Musical & Theatrical, Classroom without four walls, Drama in Education, Understanding social & environmental issues and local culture, Self realization, Creative expression by drama.

Unit II

Innovative Experiment

- Case Studies of Innovations in reference to Educational Institutions (CASE Baroda, Shantiniketan, Vidya Bhawan Udaipur), Innovative approach of Inclusive Education.
- Innovative Experiments in Education: Banasthali Vidyapeeth, SNDT University, People Science Movement, Hoshangabad Science Teaching Project. Educational rights of Transgender Community with special reference to Supreme Court judgment of 2014.

Unit III

Innovative trends

- Some Innovative trends in teaching: Cooperative Learning Strategies, Constructivism, Concept Mapping, Simulation (Role Play), Reciprocal Peer Teaching, Inter & Multi Disciplinary Approach.
- Innovative programmes and Schemes for social development in the field of education: Positive Parenting, Aganwadi, Life skills Education, disaster management, Entrepreneurship development in Education, Pratham, Eklayya.

Unit IV

Inspiring Innovations around the Globe

- Some Inspiring Innovations in Education around the Globe: Robert Teacher, Forest Kindergarten, Free University Education, 3D Learning, Literacy Brigades, Teacher Autonomy, the Paperless Classroom.
- Changing face of School and University in the age of information and communication technology, E-learning in Education, Interactive Radio, EDUSET, Internet, Tele-conferencing, Virtual reality, Swayam.

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Suggested Readings:

1. Badheka, G. (1988). Divaswapna (K. Triwedi, Trans.). India: National Book Trust.
2. Chauhan S.S. (1994). Innovations in teaching learning process. New Delhi: Vikas Publishing House P. Ltd.
3. Kuroyanagi, T. (1981). Totto-Chan (D. Britton, Trans). Tokyo: Kodansha Publishers Ltd.
4. Laxmi, S. (1989). Innovations in Education. Delhi: Sterling Publishers Pvt. Ltd.
5. NCERT (1979). Experimentation & Innovations in School: A handbook. New Delhi: NCERT.
6. Radjou, N., Prabhu, J. & Ahuja, S. (2015). Jugaad. Gurgaon: Random House Group Ltd.
7. Shivani (1986). Amader Shantiniketan. New Delhi: Rajkamal Publication.

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B.El.Ed.(Year.2) Semester.IV
Hindi-II

उद्देश्य

- छात्रों को हिन्दी भाषा की उत्पत्ति एवं विकास का ज्ञान कराना।
- छात्रों को हिन्दी साहित्य का अध्ययन करने के लिए प्रेरित करना।
- छात्रों को साहित्य सृजन के लिए प्रेरित करना।

प्रथम इकाई

- भाषा का अर्थ, हिन्दी भाषा का विकास।
- हिन्दी भाषा का सामाजिक जीवन में महत्व।
- राष्ट्रीय एकता में हिन्दी भाषा की भूमिका।

द्वितीय इकाई

- हिन्दी साहित्य का इतिहास :
आदिकाल — रासो तथा अमीर खूसरो
भक्तिकाल — सगुण एवं निर्गुण भक्ति शाखा
रीतिकाल — केशवदास, भूषण, बिहारीलाल
आधुनिककाल — द्विवेदी युग, छायावाद

तृतीय इकाई

- हिन्दी गद्य साहित्य में —
➤ कहानी — प्रेमचन्द, मन्नू भण्डारी
➤ नाटक — जयशंकर प्रसाद, भारतेन्दु हरिश्चन्द्र
➤ निबन्ध — रामचन्द्र शुक्ल, हजारी प्रसाद द्विवेदी

चतुर्थ इकाई

- काव्य के लक्षण, काव्य गुण-दोष।
- पत्र लेखन — औपचारिक पत्र, अनौपचारिक पत्र, कार्यालय आदेश, अधिसूचना।

सन्दर्भ ग्रन्थ सूची :

1. रामचन्द्र शुक्ल— हिन्दी साहित्य का इतिहास
2. पी. एन. पाण्डेय— हिन्दी साहित्य का इतिहास
3. हरदेव बाहरी— हिन्दी व्याकरण
4. लूसेन्ट— हिन्दी व्याकरण
5. कक्षा 6 से लेकर 10 तक की हिन्दी पुस्तकें

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B.El.Ed. Semester IV

English-II

Course Objectives:

- To develop a comprehensive understanding of English Literature through Historical timeline
- To develop interest in appreciation of Literature
- Characteristics of Different periods in English literature
- To identify the structural elements of Novel, Poetry and Short stories

Unit -1

Brief overview of development of English literature and Characteristics of

- From Renaissance to seventeenth century
- Eighteenth century and Romantic age
- Nineteenth Century-Victorian Age
- Twentieth and Twenty first Century
- Contemporary and World Literature

Unit 2- Prose

- Types of Prose Prose Styles, Autobiography/Biography and Memoir, Travelogue, Periodical Essay, Formal Essay, Familiar Essay, Poetic Prose, Prose of Thought
- Francis Bacon : "Of-Studies"*
- John Milton : "Books"* (an extract from Areopagitica)

Unit 3- Poetry and Drama

- Literary terms: Lyric, Sonnet, Elegy, Ode, Ballad, Augustan Verse Satire, Dramatic Monologue, Epic: Scope and Types
- John Milton: "On His Blindness"
- John Donne: "Present in Absence"
- Forms of Drama : Tragedy, Comedy, Tragicomedy. Miracle, Mystery and Morality Plays, Interlude, University Wits, Elizabethan Drama, Jacobean Drama, Restoration Drama,
- William Shakespeare: Macbeth
- William Shakespeare: As You Like It

Unit 4-Fiction/Short Fiction

- Forms of Fiction Picaresque Novel, Historical Novel, Gothic Novel, Epistolary Novel, Regional Novel, Dystopia, Detective Novel, Campus Fiction, Science Fiction, Space Fiction, "Chiclit", Junk Fiction
- Jane Austen: Pride and Prejudice

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- Charles Dickens: Great Expectations
- Ernest Hemingway: The Old Man and the Sea
- Elements of Short-fiction: Plot, Characterization, Narrative Technique and Setting
- R.K. Narayan: "The Trail of the Green Blazer"
- O' Henry- Last Leaf

References:

1. Compton-Rickett, A. (2010). A History of English Literature Nabu Press.
2. Daiches, D. (2010). A Critical History of English Literature. Supernova Publishers. Abrams, M.H. & Harpham,
3. G.G. (2015) A Glossary of Literary Terms. Cengage Learning, Delhi,
4. Ford, B. (2000). The New Pelican Guide to English Literature 4: From Dryden to Johnson. Penguin.
5. Text Book: Gems of Short Fiction: An Anthology of Short Stories. (2011). Edited by the Department of English & M.E.L, University of Lucknow.
6. Compton-Rickett, A. (2010). A History of English Literature. Nabu Press,
7. Daiches, D. (2010) A Critical History of English Literature. Supernova Publishers. Abrams, M.H. & Harpham,
8. G.G. (2015). A Glossary of Literary Terms, Cengage Learning, Delhi,
9. Ford, B. (2000). The New Pelican Guide to English Literature From Dryden to Johnson, Penguin,
10. <https://web.archive.org/web/20160617173843/http://www.bl.uk/shakespeare>
11. <https://web.archive.org/web/20160617173843/http://www.bl.uk/shakespeare>
12. <https://leverageedu.com/blog/history-of-english-literature/>

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B.El.Ed.(Year.2) Semester.IV
Sanskrit-II

उद्देश्य

- काव्य व गद्य के माध्यम से साहित्य की समझ को विकसित करना।
- ग्रंथों के अध्ययन के माध्यम से सभ्यता व संस्कृति से परिचित कराना।
- श्लोक व कथाओं के माध्यम से मूल्यों को विकसित करना।
- साहित्य के प्रति रुचि जाग्रत करना।

इकाई-एक

- काव्य साहित्य का विकास
- काव्य साहित्य में वाल्मीकी व व्यास का योगदान व उनकी कृतियाँ
- वाल्मीकी रामायण – बाल कांड

इकाई-दो

- गद्य साहित्य का विकास
- गद्य साहित्य में बाणभट्ट व दण्डी का योगदान व उनकी कृतियाँ
- मृच्छकटिक – प्रथम व द्वितीय-अंक

इकाई-तीन

- नाट्य साहित्य का विकास, दशरूपक का सामान्य परिचय
- नाटक साहित्य में कालिदास व भास का योगदान व कृतियाँ
- अभिज्ञान शाकुंतलम

इकाई-चार

संस्कृत में मूलपरक हितोपदेश – पंचतंत्र

भगवत गीता के प्रसिद्ध श्लोक

सन्दर्भ ग्रन्थ :-

1. नाट्यशास्त्र – बाबू लाल शुक्ल
2. संस्कृत नाट्य साहित्य – डॉ० जय किशन खण्डेलवाल
3. भारतीय काव्यशास्त्र मीमांसा – डॉ० हरिनारायण दीक्षित
4. काव्य प्रकाश – वामनाचार्य
5. साहित्य दर्पण – सत्यव्रत शास्त्री

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B.El.Ed SEMESTER-IV
PAPER- MATHEMATICS-II

OBJECTIVES:

Pupil Teachers will be able to understand:

- Understand the concept of elementary algebra
- Study the system of linear homogenous and non homogeneous equations
- To understand the concept of differential equations and its application
- To Describe some surfaces by using analytical geometry
- To gain knowledge about geometrical figure and its properties

UNIT-I

- Elementary operations on matrices, Rank of matrix
- Echelon and normal form of a matrix
- System of linear homogeneous and non-homogeneous equations
- Inverse of a matrix by elementary operations
- Caley-Hamilton Theorem And Its Use In Findings Inverse Of Matrix

UNIT-II

- Single differential equations
- Differential equations of first order
- Differential equations with constant coefficient
- Application of differential equations

UNIT-III

- Trigonometrically ratios
- Trigonometrically Identities
- Height and distance
- Inverse trigonometry

UNIT-IV

- Three dimensional coordinates, projection and direction cosine
- Equations of planes (Cartesian and Vector form)
- Straight lines in three dimensions (Cartesian and Vector form)
- Sphere-properties

Suggested Readings

1. Bloom, B.S. and et.al Handbook on Formative and Summative Evaluation.
2. NCERT, New Delhi : A text book of Content-cum-Methodology of Teaching Mathematics.
3. NCERT.A Text Book of content-cum-methodology of Teaching Mathematics, New Delhi:NCERT.

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4. Ballabh, Ram. A Textbook of Coordinate Geometry, Prakashan Kendra: Delhi, 13th Edition.
5. Narayan, Shanti, Differential Calculus, S. Chand and Co: New Delhi, 13th Edition.
6. Narayan, Shanti Analysis Solid Geometry, S. Chand and Co: New Delhi, 15th Edition.
7. Singal, M.K. and Asha Rani Singal, Topics in Analysis I, R Chand & Co: New Delhi, 2000, 6th Edition.
8. Singal, M.K. and Asha Rani Singal, Algebra, R. Chand and Co: New Delhi; 22nd Edition.
9. Arora, S.C. and Ramesh Kumar. A Text book of Calculus, Pitamber Publishing Co: Delhi, 1993.
10. Bartle, R.G. and D.R. Sherbert, Introduction to Real Analysis, John Wiley & Sons: New York, 1982.
11. Fraleigh, John, B. Calculus with Analysis Geometry, Addison- Wesley : Guion Road, Indianapolis, 1990.
12. Khurana, K. and S.B. Malik, Elementary Topics in Algebra, Vikas Publishing House: Delhi, 1994.
13. Spiegel, M.R. Vector Analysis, McCraw Hill Book Co: New York, 1997.

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B.El.Ed. YEAR 2 SEMESTER IV

Botany-II

General Objectives: -

1. Students will be able to understand the plant virus and bacteriophage.
2. Students will be able to understand the paleobotany and its related terms.
3. Students will be able to understand environmental pollution and able to create awareness about pollution.
4. Students will be able to develop general awareness about plant physiology.

Unit I

Plant virus- Name, classification and structure-helical and icosahedral symmetry of plant virus, Transmission.

Structure and duplication of Bacteriophage

Unit II

Elementary Palaeobotany, general account, types of fossils, fossilization, geological time scale.

Unit III

Environmental pollution, air, water, soil, radioactive, thermal and noise pollution and their sources, types and control.

Unit IV

Plant physiology -photosynthesis, water relations, mineral nutrition and ion transport, mineral deficiencies.

Respiration (anerobic and aerobic).

Suggested Readings:

1. Alexopoulos, C.J. and Mimes C.W., Introductory Mycology. Wiley Eastern Ltd.: New Delhi 1979.
2. Pandey, S.N. and Trivedi, P.S. A text book of botany, Vol. I & II, Vikas Publishing House, New Delhi, 1995.
3. Pelezar, J.R. Microbiology, McGraw Hill: New York, 1988.
4. Devlin, R.M. and Witharn, F.H. Plant Physiology, CBS Publisher and Distributors: Shahadara.
5. Noggle, G.R. and G.J. Fritzt. Introductory Plant Physiology, Prentice Hall: New Delhi, 1976.

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B.El.Ed.-YEAR 2 SEMESTER- IV

Zoology-II

Objectives-

1. students will be able to understand general biochemistry.
2. students will be able to general concept of ethology.
3. Students will be able to understand and create awareness about communicable disease.
4. students will be able to understand concept, factors, and theories of evolution.

Unit I

Biochemistry-structure and role of carbohydrates, fats, fatty acids and cholesterol, protein and amino acids, nucleic acids, bioenergetics.

Unit II

Ethology-behaviour, sensory, filtering, responsiveness, leaning and memory, instinct, habituation.

Apiculture, sericulture, major infectious and communicable disease (malaria, filaria, cholera and AIDS)

Unit III

Ecology-biosphere, concept, types and function of ecosystem, population, wildlife of India, environment biodegradation

Unit IV

Evolution-theories of evolution, natural selection, role of mutation in evolution, continental drift and distribution of animals.

Suggested Readings

1. Adhikari, S. and Sinha, A.K. Fundamentals of Biology of Animals, Vol-3, New Central Book Agency: Calcutta.
2. Alexander, R.McNeill. Animals, Cambridge University Press: Cambridge 1990
3. Ayyer, Ekambaranatha, M.A. Manual of Zoology Part I and II, S. Viswandathan: II McNichols Road, Chetput, Madras, 1966.
4. Cleveland, P. Hickman, Integrated Principles of Zoology, The C.V. Mosby Co: London 1970.

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B.El.Ed.Semester-IV

History-2

Objectives:

Students will be able to

- Understand the major events of Indian National Movement
- Understand the major events of Gandhian Era
- Understand the Indian Education System during colonial period
- Understand the major events of world History post Renaissance
- Understand the importance of Museums, maps, tourism, heritage sites in History

Unit-I

- National Movement 1857.
- Early Nationalists : a) Moderates and b) Extremists
- Development of Education in Colonial India

Unit-II

- The Gandhian Era and the Satyagraha
- Non-Cooperation, Civil Disobedience and Quit India Movements.
- The Indian National Army and Revolutionary Nationalism
- Major events related to Partition and Independence of India

Unit-III

- Renaissance -Causes, Feature and Impact, reformation movement in Europe, Industrial Revolution in 18th Century
- Causes leading to World war I , Factors leading to World War II
- Establishment of UNO

Unit-IV

- Use of Archives and museum in History
- Use of Map in History
- Importance of Libraries
- Importance of local heritage, Temple and Monuments

B.El.Ed. Semester IV

Geography -II

Objectives: Students will be able to-

- Understand Population Geography.
- Understand natural and manmade disasters.
- Understand Green House Effect and its causes.
- Classify recent and modern trends.

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B.El.Ed.(Year.2) Semester.IV

Political Science-II

Objectives:

- Understand the challenge of political theory with reference to gender.
- Understand the Indian women's movement.
- Student will be able to understand the changing character of socialism.
- Understand the ecology movement.
- Understand the feminist politics.

UNIT-I

- The Challenges to Political theory with reference to Gender.
- The Indian women's movement: Central issue, ideological differences within the movement,
- Social Movement: Old and New

UNIT-II

- The main features of Socialist and Market Oriented Societies.
- Post Capitalist, Post Industrial and Post Humanistic Societies.
- Globalization and Post Globalization Theories.

UNIT-III

- Environment and Ecology—
- Theories of Environment
- Environmental Movement in India and Third-World Countries

UNIT-IV

- Development of Feminist Discourse.
- Theories of Feminism.
- Impact of Capitalism and Globalization on Feminist issues.

Suggested Readings:

1. Gamble, A. An Introduction to Modern Social and Political Thought, MacMillan: London, 1981.
2. Leftwich, A. (ed.) What is Politics, Blackwell Pub: Cambridge, 1984.
3. Arblaster, A. Democracy, Open University Press: Milton Keynes, 1988.
4. Held, D. Models of Democracy, Stanford University Press: Stanford, 1987.
5. Keane, J. Democracy and Civil Society, Routledge: New York, 1988.
6. Birch, Anthony H. The Concepts and Theories of Modern Democracy. Routledge and Kegan Paul: London, 1993. Chapter 2.
7. Kedourie, E. (ed.) Nationalism in Asia and Africa, Weidenfield and Nicholson: London, 1970

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