

SYLLABUS FOR PSTET

Paper – 1 (for classes I to V) Primary Stage

I. Child Development and Pedagogy

30 Questions

a. Child Development (Primary School Child)

- Concept of development and its relationship with learning
- Principles of development of children
- Influence of Heredity and Environment
- Socialization processes : Social world & children (Teachers, Parents and Peers)
- Piaget, Kohlberg and Vygotsky : constructs and critical perspectives
- Concepts of child-centered and progressive education
- Critical perspective of the construct of Intelligence
- Multi-Dimensional Intelligence
- Language and Thought
- Gender as a social construct : gender roles, gender-bias and educational practice
- Individual differences among learners, understanding differences based on diversity of language, caste, gender, community, religion etc.
- Distinction between Assessment for learning assessment of learning; School-Based Assessment, Continuous and Comprehension Evaluation: Perspective and practice
- Formulating appropriate questions for assessing readiness levels of learners; for enhancing learning and critical thinking in the classroom and assessing learner achievement

b. Concept of Inclusive Education and understanding children with special needs

- Addressing learners from diverse backgrounds including disadvantaged and deprived
- Addressing the needs of children with learning difficulties, impairment etc.
- Addressing the Talented, Creative, Specially abled learners

c. Learning and Pedagogy

- How children think and learn; how and why children ‘fail’ to achieve success in school performance
- Basic processes of teaching and learning ; children’s strategies of learning; learning as a social activity; social context of learning
- Child as a problem solver and a ‘scientific investigator’
- Alternative conceptions of learning in children, understanding children’s ‘errors’ as significant steps in the learning process
- Cognition and Emotions
- Motivation and Learning
- Factors contributing to learning – Personal and environmental

II. Language- I (Punjabi)

30 Questions

a. Language Comprehension

Reading unseen passage – two passages: one prose/drama and one poem with questions on comprehension, inference, grammar and verbal ability (Prose passage may be literary, scientific, narrative or discursive)

b. Pedagogy of Language development

- Learning and Acquisition
- Principles of Language teaching
- Role of listening and speaking ; function of language and how children use it as a tool
- Critical Perspective on the role of grammar in learning a language for communicating ideas verbally or in written form
- Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders

- Language skills
- Evaluating language comprehension and proficiency : Listening, Speaking, Reading and Writing
- Teaching-Learning Materials : Text-books, multi-media materials, multi-lingual resource of the classroom
- Remedial Teaching

III. Language – II (English)

30 Questions

a. Comprehension

Two unseen prose passages (discursive/literary/narrative/scientific) with questions on comprehension, grammar and verbal ability

b. Pedagogy of Language development

- Learning and Acquisition
- Principles of Language teaching
- Role of listening and speaking ; function of language and how children use it as a tool
- Critical Perspective on the role of grammar in learning a language for communicating ideas verbally or in written form
- Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders
- Language skills
- Evaluating language comprehension and proficiency : Listening, Speaking, Reading and Writing
- Teaching-Learning Materials : Text-books, multi-media materials, multi-lingual resource of the classroom
- Remedial Teaching

IV. Mathematics

30 Questions

a. Content

- Geometry
- Shapes and Spatial Understanding

- Solids around us
- Numbers
- Addition and Subtraction
- Multiplication
- Division
- Measurement
- Weight
- Time
- Volume
- Data Handling
- Patterns
- Money

b. Pedagogical Issues

- Nature of Mathematics / Logical Thinking; understanding children's thinking and reasoning patterns and strategies of making meaning and learning
- Place of Mathematics in Curriculum
- Language of Mathematics
- Community Mathematics
- Evaluation through formal and informal methods
- Problems of teaching
- Error analysis and related aspects of teaching and learning
- Diagnostic and remedial teaching

V. Environmental Studies

30 Questions

a. Content

Family and Friends

- Relationships
- Work and Play
- Animals
- Plants

Food

Shelter

Water

Travel

Things we Make and Do

b. Pedagogical Issues

- Concept and scope of EVS
- Significance of EVS, integrated EVS
- Environmental Studies and Environmental Education
- Learning Principles
- Scope and relation to Science and Social Science
- Approaches of presenting concepts
- Activities
- Experimentation / Practical Work
- Discussion
- CCE
- Teaching Material / Aids
- Problems of teaching

Paper – 2 (for classes VI to VIII) Elementary Stage

I. Child Development and Pedagogy

30 Questions

a. Child Development (Elementary School child)

- Concept of development and its relationship with learning
- Principles of development of child
- Influence of Heredity and Environment
- Socialization processes : Social world and children (Teachers, Parents and Peers)

- Piaget, Kohlberg and Vygotsky : constructs and critical perspectives
- Concepts of child-centered and progressive education
- Critical perspective of the construct of Intelligence
- Multi-Dimensional Intelligence
- Language and Thought
- Gender as a social construct : gender roles, gender-bias and educational practice
- Individual differences among learners, understanding differences based on diversity of language, caste, gender, community, religion etc.
- Distinction between Assessment for learning assessment of learning; School-Based Assessment, Continuous and Comprehension Evaluation: Perspective and practice
- Formulating appropriate questions for assessing readiness levels of learners; for enhancing learning and critical thinking in the classroom and assessing learner achievement

b. Concept of Inclusive Education and understanding children with special needs

- Addressing learners from diverse backgrounds including disadvantaged and deprived
- Addressing the needs of children with learning difficulties, ‘impairment’ etc.
- Addressing the Talented, Creative, Specially abled learners

c. Learning and Pedagogy

- How children think and learn; how and why children ‘fail’ to achieve success in school performance
- Basic processes of teaching and learning ; children’s strategies of learning; learning as a social activity; social context of learning
- Child as a problem solver and a ‘scientific investigator’
- Alternative conceptions of learning in children, understanding children’s ‘errors’ as significant steps in the learning process
- Cognition and Emotions

- Motivation and Learning
- Factors contributing to learning – Personal and environmental

II. Language-I (Punjabi)

30 Questions

a. Language Comprehension

Reading unseen passage – two passages: one prose/drama and one poem with questions on comprehension, inference, grammar and verbal ability (Prose passage may be literary, scientific, narrative or discursive)

b. Pedagogy of Language development

- Learning and Acquisition
- Principles of Language teaching
- Role of listening and speaking ; function of language and how children use it as a tool
- Critical Perspective on the role of grammar in learning a language for communicating ideas verbally or in written form
- Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders
- Language skills
- Evaluating language comprehension and proficiency : Listening, Speaking, Reading and Writing
- Teaching-Learning Materials : Text-books, multi-media materials, multi-lingual resource of the classroom
- Remedial Teaching

III. Language – II (English)

30 Questions

a. Comprehension

Two unseen prose passages (discursive/literary/narrative/scientific) with questions on comprehension, grammar and verbal ability

b. Pedagogy of Language development

- Learning and Acquisition
- Principles of Language teaching
- Role of listening and speaking ; function of language and how children use it as a tool
- Critical Perspective on the role of grammar in learning a language for communicating ideas verbally or in written form
- Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders
- Language skills
- Evaluating language comprehension and proficiency : Listening, Speaking, Reading and Writing
- Teaching-Learning Materials : Text-books, multi-media materials, multi-lingual resource of the classroom
- Remedial Teaching

IV. Mathematics & Science

60 Questions

i. Mathematics

30 Questions

a. Content

Number System

- Knowing our Numbers
- Playing with Numbers
- Whole Numbers
- Negative Numbers and Integers
- Fractions

Algebra

- Introduction to Algebra
- Ratio and proportion

Geometry

- Basic Geometrical Ideas (2-D)
- Understanding Elementary Shapes (2-D and 3-D)

- Symmetry : (reflection)
- Construction (using straight edge scale, protactor, compasses)

Mensuration

Data Handling

b. Pedagogical Issues

- Nature of Mathematics / Logical Thinking
- Place of Mathematics in Curriculum
- Language of Mathematics
- Community Mathematics
- Evaluation
- Remedial Teaching
- Problems of teaching

ii. **Science**

30 Questions

a. Content

i. Food

- Sources of food
- Components of food
- Cleaning food

ii. Materials

- Materials of daily use

iii. The world of the living

iv. Moving things, people and ideas

v. How things work

- Electric currents and circuits
- Magnets

VI. Natural Phenomena

VII. Natural Resources

b. Pedagogical Issues

- Nature and Structure of Sciences
- Natural Science / Aims and objectives
- Understanding & Appreciating Science
- Approaches / Integrated Approach
- Observation / Experiment / Discovery (Method of Science)
- Innovation
- Text Materials / Aids
- Evaluation – cognitive/psychomotor/affective
- Problems
- Remedial Teaching

V. Social Studies / Social Sciences

60 Questions

a. Content

i. History

- When, Where and how
- The Earliest Societies
- The First Farmers and Herders
- The First Cities
- Early States
- New Ideas
- The First Empire
- Contacts with Distant lands
- Political Developments
- Culture and Science
- New Kings and Kingdoms
- Sultans of Delhi
- Architecture
- Creation of an empire
- Social Change

- Regional Cultures
- The Establishment of Company Power
- Rural Life and Society
- Colonialism and Tribal Societies
- The Revolt of 1857-58
- Women and Reform
- Challenging the Caste System
- The Nationalist Movement
- India after Independence

ii. Geography

- Geography as a social study and as a science
- Planet : Earth in the Solar system
- Globe
- Environment in its totality : natural and human environment
- Air
- Water
- Human Environment : settlement, transport and communication
- Resources : Types-Natural and Human
- Agriculture

iii. Social and Political Life

- Diversity
- Government
- Local Government
- Making a Living
- Democracy
- State Government
- Understanding Media
- Unpacking Gender
- The Constitution

- Parliamentary Government
- The Judiciary
- Social Justice and the Marginalised

b. Pedagogical Issues

- Concept and Nature of Social Sciences / Social Studies
- Classroom Processes, activities and discourse
- Developing Critical Thinking
- Enquiry / Empirical Evidence
- Problems of teaching Social Sciences / Social Studies
- Sources – Primary & Secondary
- Project Work
- Evaluation

NOTE : For a detailed syllabus of classes I – VIII, please refer to PSEB and NCERT syllabus and textbooks.