

PSTET Syllabus 2024 for Paper 1

Subject	Important Topics
Child Development and Pedagogy	<p>1) Child Development (Primary School Child)</p> <ul style="list-style-type: none"> ● Critical perspective of the construct of Intelligence ● Multi-Dimensional Intelligence ● Language & Thought ● Individual differences among learners, understanding differences based on diversity of language, caste, gender, community, religion etc. ● Concept of development and its relationship with learning ● Principles of the development of children ● Influence of Heredity & Environment ● Gender as a social construct; gender roles, gender-bias and educational practice ● Formulating appropriate questions for assessing readiness levels of learners; for enhancing learning and critical thinking in the classroom and for assessing learner achievement. ● The distinction between Assessment for learning and assessment of learning; ● Socialization processes: Social world & children (Teacher, Parents, Peers) ● Piaget, Kohlberg and Vygotsky: constructs and critical perspectives ● Concepts of child-centered and progressive education ● School-Based Assessment, Continuous & Comprehensive Evaluation: perspective and practice <p>2) Concept of Inclusive education and understanding children with special needs</p> <ul style="list-style-type: none"> ● Addressing the needs of children with learning difficulties, 'impairment' etc. ● Addressing learners from diverse backgrounds including disadvantaged and deprived ● Addressing the Talented, Creative, Specially abled Learners <p>3) Learning and Pedagogy</p> <ul style="list-style-type: none"> ● 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 & Emotions ● 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. ● Motivation and learning ● Factors contributing to learning – personal & environmental

Language-I	<p>1) Language Comprehension Reading unseen passages – two passages one prose or drama and one poem with questions on comprehension, inference, grammar and verbal ability (Prose passage may be literary, scientific, narrative or discursive)</p> <p>2) Pedagogy of Language Development</p> <ul style="list-style-type: none"> ● Language Skills ● Evaluating language comprehension and proficiency: speaking, listening, reading and writing ● Teaching- learning materials: Textbook, multimedia materials, multilingual resource of the classroom ● Critical perspective on the role of grammar in learning a language for communicating ideas verbally and in written form ● Principles of Language Teaching ● Remedial Teaching ● Learning and acquisition ● Role of listening and speaking; function of language and how children use it as a tool ● Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders
Language- II	<p>1) Comprehension Two unseen prose passages (discursive or literary or narrative or scientific) with question on comprehension, grammar and verbal ability</p> <p>2) Pedagogy of Language Development</p> <ul style="list-style-type: none"> ● Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders ● Language Skills ● Teaching – learning materials: Textbook, multimedia materials, multilingual resource of the classroom ● Remedial Teaching ● Learning and acquisition ● Evaluating language comprehension and proficiency: speaking, listening, reading and writing ● Role of listening and speaking; function of language and how children use it as a tool ● Principles of Language Teaching ● Critical perspective on the role of grammar in learning a language for communicating ideas verbally and in written form;

Mathematics	<p>1) Content</p> <ul style="list-style-type: none">● Division● Measurement● Volume● Data Handling● Patterns● Money● Weight● Time● Solids around Us● Numbers● Geometry● Shapes & Spatial Understanding● Addition and Subtraction● Multiplication <p>2) Pedagogical issues</p> <ul style="list-style-type: none">● Language of Mathematics● Community Mathematics● Problems of Teaching● Error analysis and related aspects of learning and teaching● Diagnostic and Remedial Teaching● Evaluation through formal and informal methods● Nature of Mathematics/Logical thinking; understanding children's thinking and reasoning patterns and strategies of making meaning and learning● Place of Mathematics in Curriculum
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<p>Environmental Studies</p>	<p>1) Content</p> <ul style="list-style-type: none"> ● Family and Friends ● Water ● Food ● Shelter ● Travel ● Things We Make and Do <p>2) Pedagogical Issues</p> <ul style="list-style-type: none"> ● Activities ● Experimentation/Practical Work ● Teaching material/Aid ● Problems ● Concept and scope of EVS ● Discussion ● CCE ● Environmental Studies & Environmental Education ● Learning Principles ● Significance of EVS integrated EVS ● Scope & relation to Science & Social Science ● Approaches of presenting concepts
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PSTET Syllabus 2024 for Paper 2

Subject	Important Topics

<p>Child Development and Pedagogy</p>	<p>1) Child Development (Elementary School Child)</p> <ul style="list-style-type: none"> ● Individual differences among learners, understanding differences based on diversity of language, caste, gender, community, religion etc. ● Principles of the development of children ● Influence of Heredity & Environment ● Socialization processes: Social world & children (Teacher, Parents, Peers) ● Distinction between Assessment for learning and assessment of learning; School-Based Assessment, Continuous & Comprehensive Evaluation: perspective and practice ● Formulating appropriate questions for assessing readiness levels of learners; for enhancing learning and critical thinking in the classroom and for assessing learner achievement. ● Concept of development and its relationship with learning ● Critical perspective of the construct of Intelligence ● Multi Dimensional Intelligence ● Gender as a social construct; gender roles, gender-bias and educational practice ● Piaget, Kohlberg and Vygotsky: constructs and critical perspectives ● Concepts of child-centered and progressive education ● Language & Thought <p>2) Concept of Inclusive education and understanding children with special needs</p> <ul style="list-style-type: none"> ● Addressing learners from diverse backgrounds including disadvantaged and deprived ● Addressing the Talented, Creative, Specially abled Learners ● Addressing the needs of children with learning difficulties, 'impairment' etc. <p>3) Learning and Pedagogy</p> <ul style="list-style-type: none"> ● 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. ● Factors contributing to learning – personal & environmental ● Cognition & Emotions ● Motivation and 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.
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Language-I	<p>1) Language Comprehension</p> <ul style="list-style-type: none"> ● Reading unseen passages – two passages one prose or drama and one poem with questions on comprehension, inference, grammar and verbal ability (Prose passage may be literary, scientific, narrative or discursive) ● 2) Pedagogy of Language Development ● Learning and acquisition ● Principles of Language Teaching ● Teaching-learning materials: Textbook, multimedia materials, multilingual resource of the classroom ● Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders ● Language Skills ● 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 and in written form; ● Evaluating language comprehension and proficiency: speaking, listening, reading and writing ● Remedial Teaching
Language-II	<p>1) Comprehension</p> <ul style="list-style-type: none"> ● Two unseen prose passages (discursive or literary or narrative or scientific) with question on comprehension, grammar and verbal ability ● 2) Pedagogy of Language Development ● Learning and acquisition ● Principles of Language Teaching ● Teaching – learning materials: Textbook, multimedia materials, multilingual resource of the classroom ● Challenges of teaching language in a diverse classroom; language difficulties, errors and disorders ● Language Skills ● 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 and in written form; ● Evaluating language comprehension and proficiency: speaking, listening, reading and writing ● Remedial Teaching

Mathematics & Science

(i) Mathematics

1) Content

- Number System
- Knowing our Numbers
- Playing with Numbers
- Understanding Elementary Shapes (2-D and 3-D)
- Symmetry: (reflection)
- Construction (using Straight edge Scale, protractor, compasses)
- Algebra
- Introduction to Algebra
- Ratio and Proportion
- Whole Numbers
- Negative Numbers and Integers
- Fractions
- Geometry
- Basic geometrical ideas (2-D)
- Mensuration
- Data handling

2) Pedagogical issues

- Nature of Mathematics/Logical thinking
- Problem of Teaching
- Place of Mathematics in Curriculum
- Remedial Teaching
- Language of Mathematics
- Community Mathematics
- Evaluation

(ii) Science

1) Content

- Food: Sources of food, Components of food, Cleaning food, etc
- Materials: Materials of daily use
- Moving Things People and Ideas
- How things work: Electric current and circuits, Magnets
- The World of the Living
- Natural Resources
- Natural Phenomena
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2) Pedagogical issues

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

Social
Studies/Social
Sciences

1) Content

I. History

- When, Where and How
- The Earliest Societies
- The First Cities
- Early States
- New Ideas
- The First Empire
- The First Farmers and Herders
- Architecture
- Creation of an Empire
- Social Change
- Regional Cultures
- Contacts with Distant Lands
- Political Developments
- Culture and Science
- New Kings and Kingdoms
- Sultans of Delhi
- Women and Reform
- Challenging the Caste System
- The Nationalist Movement
- The Establishment of Company Power
- Rural Life and Society
- Colonialism and Tribal Societies
- The Revolt of 1857-58
- India After Independence

II. Geography

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

III. Social and Political Life

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

- Social Justice and the Marginalized

2) Pedagogical issues-20 Questions

- Concept & Nature of Social Science/Social Studies
- Classroom Processes, activities and discourse
- Inquiry/Empirical Evidence
- Problems of teaching Social Science/Social Studies
- Sources – Primary & Secondary
- Developing Critical thinking
- Evaluation
- Projects Work

