

UPTET Syllabus for Paper I (Primary)

CHILD DEVELOPMENT AND PEDAGOGY: 30 QUESTIONS

Topic	Sub - Topic
Child development	<p>Meaning, necessity and scope of child development, stages of child development, physical development, mental development, emotional development, language development - development of expressive ability, creativity and development of creative ability.</p> <p>Basis of child development and factors influencing them - inheritance, environment (Family, social, school, communication medium)</p>
Meaning and principles of learning	<p>Meaning of learning, its affecting factors, Influential methods of learning</p> <p>Rules of learning - The main rules of learning of Thorndike's and their importance in learning</p> <p>The key principles of learning and their practical utility in classroom teaching, Principle of Thorndike's attempt and error, Pavlov's relation theory of feedback, Skinner's action learning theory, Kohler's theory of understanding or Insight, Vygotsky's Theory of Learning Curve - Meaning and Type, Meaning of plateau in the cause and solution.</p>
Teaching and learning methods	<p>Meaning and purpose of teaching, communication, principles of teaching, sources of teaching, teaching methods, new methods of teaching (approach), basic teaching, and basic skills of teaching.</p>
Inclusive education- guidance and counseling	<p>Educational inclusion means identity, type, resolution, eg: excluded class, language, religion, caste, region, colour, gender, physical skills (visually impaired, hearing impaired and speech/bone impaired), mental efficiency</p> <p>Equipment, materials, methods, TLM, and observations required for inclusion</p> <p>Necessary tools and techniques for testing the learning of inclusive children</p> <p>Special teaching methods for including children. Such as - Braille script etc</p> <p>Guidance and Counseling for Inclusive Children - Meaning, Purpose, Type, Methods, Requirements, and Area</p> <p>Departments / Institutions supporting in consultation: -</p> <ul style="list-style-type: none"> Psychology Uttar Pradesh, Allahabad Divisional Psychology Centre (at Divisional Level) District hospital Trained Diet Mentor in District Education and Training Institute Supervision and inspection system Community and school support committees Government and NGOs <p>Importance of guidance and counseling in child learning</p>
(B) Learning and teaching	<p>How children think and learn; how and why children 'fail' to achieve success in school performance.</p> <p>Basic processes of learning and teaching, learning strategies of children, learning as a social activity, social context of learning.</p> <p>Children as problem solvers and scientific investigators.</p>

Topic	Sub - Topic
	An alternative concept of learning in children, understanding child errors as important steps in the learning process Sense and feelings Motivation and learning Factors contributing to learning - private and environmental.

LANGUAGE I: 30 QUESTIONS

Topic	Sub - Topic
(A) Hindi (subject matter)	<p>अपठित अनुच्छेद हिंदी वर्णमाला (स्वर, व्यंजन) वर्णों के मेल से मात्रिक तथा अमात्रिक शब्दों की पहचान वाक्य रचना हिंदी की सभी ध्वनियों के पारस्परिक अंतर की जानकारी विशेष रूप से - ष, स, ब, व, ढ, ड, क्ष, छ, ण तथा न की ध्वनियाँ हिंदी भाषा की सभी ध्वनियों, वर्णों अनुस्वार एवं चन्द्रबिंदु में अंतर संयुक्ताक्षर एवं अनुनासिक ध्वनियों के प्रयोग से बने शब्द सभी प्रकार की मात्राएँ विराम चिह्नों यथा - अल्प विराम, अर्द्धविराम, पूर्णविराम, प्रश्नवाचक, विस्मयबोधक, चिह्नों का प्रयोग विलोम, समानार्थी, तुकान्त, अतुकान्त, सामान, ध्वनियों वाले शब्द वचन, लिंग एवं काल प्रत्यय, उपसर्ग, तत्सम तद्भव व देशज, शब्दों की पहचान एवं उनमें अंतर लोकोक्तियाँ एवं मुहावरों के अर्थ सन्धि - (1) स्वर सन्धि - दीर्घ सन्धि, गुण सन्धि, वृद्धि सन्धि, यण सन्धि, अयादि सन्धि (2) व्यंजन सन्धि (3) विसर्ग सन्धि वाच्य, समान एवं अंलकार के भेद कवियों एवं लेखकों की रचनाएँ</p>
(B) Hindi Pedagogy	<p>अधिगम और अर्जन भाषा अध्यापन के सिद्धांत सुनने और बोलने की भूमिका: भाषा का कार्य तथा बालक इसे किस प्रकार एक उपकरण के रूप में प्रयोग करते हैं मौखिक और लिखित रूप में विचारों के संप्रेषण के लिए किसी भाषा के अधिगम में व्याकरण की भूमिका पर निर्णायक संदर्श एक भिन्न कक्षा में भाषा पढ़ाने की चुनौतियाँ भाषा की कठिनाइयाँ त्रुटियाँ और विकार भाषा कौशल भाषा बोधगम्यता और प्रवीणता का मुल्यांकन करना: बोलना, सुनना, पढ़ना, लिखना अध्यापन - अधिगम सामग्रियाँ: पाठ्यपुस्तक, मल्टी मीडिया सामग्री, कक्षा का बहुभाषायी संसाधन उपचारात्मक अध्यापन</p>

LANGUAGE II (ENGLISH/ URDU/ SANSKRIT)

Topic	Sub - Topic
English	Unseen Passage The sentence (A) Subject and predicate (B) Kind of sentences Parts of speech- Kinds of Noun, Pronoun, Adverb, Adjective, Verb, Preposition, Conjunction Tenses-Present, Past, Future Articles Punctuation Word formation Active & Passive voice Singular & Plural Gender
Urdu	Unseen passage Meeting of the masters of the tongue Knowledge of the famous life and poetry of famous tribes and poets MukhtalifAsnaafAdab such as Maznoon, Afsana Murcia, Masnavi Dastan, etc. Praise to Ma, Amsal Masala of perfect tamarind and afflux Information about Ism, Jamir, Sifat, Mutzadalfaz, Wahid, Mojkkar, Moannas et cetera. Saints (Tasbeeh and Istaara, Talmih, Maraatunzir), etc Idioms, meeting JurbalAmsal MukhtalifSamajMusayal like atmosphere of AloodgiNabrabari, TalimBaraa'mn, Adame, Tagazia To understand the social and Khaliq Akbar present in the beliefs, stories, Hikayatas, and memoirs
Sanskrit	Unexplained masculine Unseen passage Nouns Unexplained feminine Unexplained neuter Postpartum feminine Post masculine Postpartum masculine Postpartum feminine Introduction to Sanskrit names of household, family, surroundings, animals, birds, household use items Pronouns Verb Use of Sanskrit words for major body parts Incessant Sandhi - Treaty of simple words and their separation (long treaty) Numbers - Knowledge of numbers in Sanskrit Gender, vowel, vowel type, substitution, type of consonant, anusvara, and nasal consonant

Topic	Sub - Topic
	Compositions of poets and writers
Teaching of language development: -	Learning and acquisition Principles of language teaching Role of listening and speaking: Language work and how children use it as a tool Decisive perspective on the role of the grammar of learning of a language for communicating ideas verbally and in writing Challenges of teaching language in a different classroom: language difficulties, errors, and disorders Language skills Assessing language comprehension and proficiency: speaking, listening, reading and writing Teaching-learning materials: syllabus, multi-material, classroom multilingual resources Remedial teaching

MATHEMATICS: 30 QUESTIONS

Topic	Sub - Topic
(A) Content: -	Addition, subtraction, property, division of numbers, and numbers Minimum Commonwealth and Maximum Commonwealth Addition, subtraction, property, division of fractions Decimal - addition, subtraction, property, division Unitary rule Percent Profit loss Simple interest Geometry - Geometric shapes and pages, angles, triangles, circles Money (money - money) Measurement - time, weight, capacity, length, and temperature Perimeter - Triangle, import, square, quadrilateral Calendar Figures Volume, held - cube, cavity Area - Rectangle, Square Railway or bus timetable Presentation and formulation of data
(B) Teaching Issues	Understanding the nature of mathematical/logical thinking, the child's thinking and reasoning patterns, and the meaning and learning strategies Place of mathematics in the curriculum Math language Community mathematics Evaluation through formal and informal methods Teaching problems Relevant aspects of error analysis and learning and teaching Clinical and remedial teaching

**VII. ENVIRONMENTAL STUDIES (SCIENCE, HISTORY, GEOGRAPHY,
CIVICS, AND ENVIRONMENT): 30 QUESTIONS**

Topic	Sub - Topic
(A) Content:-	<p>Family Food, health, and hygiene Accommodation Trees and plants Our environment Fair Individuals and businesses associated with the local profession Water Traffic and communication Sports and sportsmanship India - rivers, plateaus, forests, traffic, continents, and oceans Our region - rivers, mountains, stones, forests, traffic Constitution Governance system - local self-government, village-panchayat, Nagar-panchayat, district panchayat, municipality, municipal corporation, district-administration, state's governance, administrative, judiciary, executive, national and national-symbols, voting, national Unity. Environment-need, environment-protection- need, importance, and utility, environment protection, social responsibility towards the environment, schemes operated for environmental protection</p>
(B) Teaching related issues:-	<p>Concept and coverage of environmental studies Importance of environmental studies, integrated environmental studies Environmental Studies and environmental education Learning principle The scope and relation of science and social science Approach to present retention Activity Experiment / practical work Discussion. Continuous comprehensive evaluation Teaching material/equipment Problems</p>

UPTET Syllabus for Paper-II (Class VI to VIII)

Child Development and Learning Methods: 30 Questions

Topic	Sub - Topic
(A) Content:-	The meaning, necessity, and scope of child development, stages of child development, physical development, mental development, emotional development, language development - development of expressive ability, creativity, and development of the creative ability Basis of child development and factors influencing them - inheritance, environment (Family, social, school, communication medium)
Meaning and principles of learning:-	Effective methods of learning, influencing the meaning of learning (learning) Rules of learning - The main rules of learning of the Thorndikes and their importance in learning The key principles of learning and their practical utility in classroom teaching, Thorndike's attempt and theory and their practical utility in classroom teaching, Thorndike's theory of love and error, Pavlov's relation theory of response, Skinner's introduced learning theory, Kohler's curve - Meaning and type, plateau meaning in learning and cause and resolution.
Teaching and learning disciplines:-	Meaning and purpose of teaching, communication, principles of teaching, sources of teaching, teaching methods, new methods of learning (approach), basic teaching, and basic skills of teaching.
Inclusive education guidance and counselling:-	Educational inclusion means identity, type, resolution, eg: excluded class, language, religion, caste, region, color, gender, physical skills (visually impaired, hearing impaired and speech/bone impaired), mental efficiency. Equipment, materials, methods, TLM, and observations required for inclusion Necessary tools and techniques for testing the learning of inclusive children Special teaching methods for including children. Such as Braille script etc Guidance and counseling for inclusive children - Meaning, purpose, types, methods, requirements, and fields Departments / Institutions supporting in consultation: - Psychology Uttar Pradesh, Allahabad Divisional Psychology Center (at Divisional Level) District hospital Trained Diet Mentor in District Education and Training Institute Supervision and inspection system Community and school support committees Government and NGOs Importance of guidance and counselling in child learning
(B) Study and teaching:-	How children think and learn; how and why children 'fail' to achieve success in school performance Basic processes of teaching and learning, children's learning strategies, learning as a social activity, social context of learning Child as a problem solver and a 'scientific investigator' An alternative concept of learning in children, understanding child errors as important stages in the learning process Perception and sensations Motivation and learning Tax contributors to learning - private and environmental

**LANGUAGE I: 30 QUESTIONS
HINDI (A)**

Topic	Sub - Topic
(A) Content	<p>Unseen passage</p> <p>Noun and noun distinction</p> <p>Differences between pronouns and pronouns</p> <p>Difference between adjectives and adjectives</p> <p>Difference between verb and verb</p> <p>Speech - intonation, passive voice, eloquence</p> <p>The difference in all Hindi language sounds, conjuncts, joint consonants, and lunar points</p> <p>Alphabetical, synonymous, antonym, non-synonymous, synonyms</p> <p>The distinction of the inexplicable</p> <p>Anavar, use of resonant</p> <p>Use of different forms of "Su"</p> <p>Sentence formation (simple, compound, and mixed sentences)</p> <p>Identification and use of punctuation marks</p> <p>Use of speech, gender, and time</p> <p>Tatasam, Tadbhav, indigenous and foreign words</p> <p>Prefixes and attitudes</p> <p>Word combinations</p> <p>Compound distinctions of the compound, and types of compound</p> <p>Idioms and proverbs</p> <p>Verbs transitive and intransitive</p> <p>Treaties and differences of treaties. (Vowels, Consonants, and Excavations)</p> <p>Ornamentation (Alliteration, pun, pun, metaphor, metaphor, inspiration, exaggeration)</p>
(B) Teaching of language development:-	<p>Learning acquisition</p> <p>Principles of language teaching</p> <p>Role of listening and speaking: Language work and how children use it as a tool</p> <p>Decisive perspective on the role of the grammar of learning of a language for communicating ideas verbally and in writing</p> <p>Challenges of teaching language in a different classroom: language difficulties, errors, and disorders</p> <p>Language skills</p> <p>Assessing language comprehension and proficiency: speaking, listening, reading and writing</p> <p>Teaching-learning materials: syllabus, multi-material, classroom multilingual resources</p> <p>Remedial teaching</p>

III. LANGUAGE II: 30 QUESTIONS
ENGLISH/URDU/SANSKRIT

Topic	Sub - Topic
English (A) Content:-	Unseen passage Nouns and their kinds Pronoun and its kinds Verb and its kinds Adjective and its kinds & degrees Adverbs and their kinds A preposition and its kinds Conjunction and its kinds Intersection Singular and plural Subject and predicate Negative and interrogative sentences Masculine and feminine gender Punctuation Suffix with root words Phrasal verbs Use of Somebody, Nobody, Anybody Parts of speech Narration Active voice and passive voice Antonyms & synonyms Use of Homophones Use of request in sentences Silent letters in words
Urdu	Unseen passage Knowledge of language masters of the tongue. Understanding of MukhtalifAsnaafAdabHamd, Ghazal, Qasida, Marcia, Masnavi, Geet, etc. and their difference To get information about the situation of the poets and their well-being by the life of the many poets and the lovers Achieving eloquence with the help and importance of Urdu language in Mushtaraka Tehzeeb of the country Ism and its Aksam, Fail, Sifat, Jamir, Tazkiron Tania, Tzad's deemed Information about correct tamarind and Arab Idioms, acquiring speech from JurbalAmsal Knowledge of saints The political, social, and ekhalaki mainsail's being beseeched and keep their attitude on it

Topic	Sub - Topic
Sanskrit	Unseen Passage Sandhi - Vowels, consonants Incessant Compound Use of gender, speech, and time Prefix Synonym Antonyms Factor Ornamentation Suffix Speech Nouns - Knowledge of the forms of all the inflections and words of the following words - The word masculine The word feminine The word neuter Inexplicable masculine Inexplicable feminine Inexplicable neuter Postpartum masculine Postpartum feminine Postpartum neuter Ecomant feminine Ecomant masculine Ecomant neuter Rakaranta masculine Pronouns Adjectives Metal Numbers
(B) Teaching of language development: -	Learning and acquisition Principles of language teaching Role of listening and speaking: Language work and how children use it as a tool Decisive perspective on the role of the grammar of learning of a language for communicating ideas verbally and in writing Challenges of teaching language in a different classroom: language difficulties, errors, and disorders Language skills Assessing language comprehension and proficiency: speaking, listening, reading and writing Teaching-learning materials: syllabus, multi-material, classroom multilingual resources Remedial teaching

MATH AND SCIENCE 60 QUESTIONS

1. MATHEMATICS

Topic	Sub - Topic
(A) Contents:-	Natural numbers, whole numbers, rational numbers\ Integer, parenthesis, least common multiple, and greatest common factor. Square root Cube root Identities Algebra, Concept - variables, constant numbers, powers of variable numbers Addition, subtraction, multiplication, and division of algebraic expressions, coefficients of terms and terms of algebraic expressions, homogeneous and non-homogeneous terms, degrees of expressions, the concept of one, two, and tripartite expressions Simultaneous Equations, Square Equations, Linear Equations Parallel lines, quadrilateral compositions, triangles Circle and cyclic quadrilateral Tangent lines to the circle Commercial Mathematics - Ratio, Proportion, Percentage, Profit and Loss, Simple Interest, Compound Interest, Tax, Barter System Banking - Current Currency, Bills and Cashmemo Statistics - Classification of data, pictograph, mean, median and polymer, frequency Pie and bar chart, picture of unclassified data Probability (probability) graph, bar diagram, and mixed bar diagram Cartesian floor Mensuration Exponential
(B) Teaching related issues:-	Nature of mathematical/logical thinking Place of mathematics in the curriculum Math language Community mathematics Evaluation Remedial teaching Teaching problems

2. SCIENCE

Topic	Sub - Topic
(A) Content: -	Science in daily life, important discoveries, importance, anthropology, and technology Fibers and textiles, from races to textiles. (process) Living, non-living matter - fauna, classification of living organisms, classification of plants and animals based on flora and fauna, adaptation in organisms, changes in animals and plants. Animal Structure and Functions Microorganisms and their classification Cell to organ Adolescence, disability Food, health, sanitation and disease, crop production, nitrogen cycle. Animal nutrition Nutrition, reproduction, beneficial plants in plants

Topic	Sub - Topic
	Respiration, excretion in organisms, beneficial animals Measurement Electric current Magnetism Speed, Force, and Equipment Energy Computer Sound Static electricity Lighting and lighting equipment Air quality, composition, necessity, utility, the ozone layer, the greenhouse effect Water requirement, utility, source, quality, pollution, water conservation Part, groups of substances, separation of substances, structure, and nature of substances Changes in the neighborhood, physical and chemical changes Acids, bases, salts Energy and heat Man-made goods, plastic, glass, soap, clay Minerals and Metals Carbon and its compounds Alternative sources of energy
(B) Teaching related issues: -	Nature and structure of science Natural Science/goals and objectives Understanding and appreciating science Approach / integrated approach Observation / experiment / investigation (Method of science) Innovation Curriculum content / help- material Evaluation Issues Remedial teaching

VII. SOCIAL STUDIES AND OTHERS: - 60 QUESTIONS

Topic	Sub - Topic
I. History (A) Content: -	Sources of knowing the history Stone Culture, Copper Stone Culture, Vedic Culture India of the sixth century B.C The early States of India Establishment of Mauryan Empire in India Non-Mauryan India, Gupta period, Rajput India, Punyabhuti dynasty, states of South India The arrival of Islam in India Establishment, expansion, disintegration of Delhi Sultanate Mughal Empire, Culture, Fall The arrival of European powers in India and the establishment of the English state Expansion of Company State in India

Topic	Sub - Topic
	Renaissance in India, Rise of Nationalism in India Independence movement, independence, the partition of India Challenges of Independent India
II. Civics	We and our society Rural and urban society and living conditions. Rural and urban self-government District administration Our constitution Traffic safety Central and state governance Democracy in India Country's security and foreign policy Global seas and India Citizen protection Disability
III. Geography	Earth in the Solar System, Globe - Determination of locations on Earth, Earth's movements. Mapping, Four Circles of Earth, Structure - Earth's Structure, Major Structure of Earth India in the world, India's physical form, soil, vegetation and wildlife, India's climate, India's economic resources, traffic, trade, and communication. Uttar Pradesh - Location in India, Political Department, Climate, Soil, Vegetable and Wildlife Agriculture, Mineral Industry - Business Population and Urbanization Surface forms, changing factors. (Internal and external factors) Atmosphere, hydrosphere Major natural regions and life of the world Mineral Resources, Industries Disaster and Disaster Management
IV. Environmental Studies	Environment, natural resources, and their utility Natural balance Use of resources Impact of population growth on the environment, environmental pollution Waste Management, Disasters, Environmentalist, Award in the field of Environment, Environment Day, Environmental Calendar
V. Home-work / Home Science	Health and hygiene Nutrition, diseases, and ways to avoid them, first aid Food preservation Pollution Digestive diseases and common diseases Home Management, Sewing Art, Washing Art, Cooking, Weaving Art, Embroidery Art Learn to pronounce
VI. Physical Education and Sports	Physical Education, Exercise, Yoga, and Pranayama Marching, National Sports and Awards Small and Recreational Sports, International Games Sports and our food First aid

Topic	Sub - Topic
	Importance of drug side effects and measures to prevent them, sports, sports management, and planning.
VII. Music	Phonetics Melody introduction Knowledge of rhythm and rhythm in music Intense melody Vandana IT / Flag Anthem Desh songs, country songs, bhajans Forest protection / plantation Verbal song
VIII. Horticulture and fruit conservation	Soil, Soil Formation, Soil Finishing, Equipment, Seeds, Compost Fertilizer Irrigation, irrigation equipment Gardening, Gardening School Shrubs and vines, ornamental plants, seasonal flower cultivation, fruit cultivation, herb garden, vegetable cultivation Amplification Fruit testing, fruit preservation - jam, jelly, sauce, pickle making Climatology Crop circle
(B) Teaching related issues	Concept and method of social study Procedures, Activities, and Discourse of Narrative Develop thoughtful thinking Inquiry / Empirical Evidence Problems of teaching social science / social studies Project Work Evaluation

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