TEACHER ELIGIBILITY TEST SEPTEMBER 2013 SYLLABUS PAPER I

(Content of School Subjects is as per old syllabus)

I CHILD DEVELOPMENT AND PEDAGOGY (Marks: 30)

1. DEVELOPMENT OF CHILD

- Development, Growth & Maturation Concept & Nature
- Principles of Development
- Factors influencing Development Biological, Psychological, Sociological
- Dimensions of Development and their interrelationships Physical & Motor, Cognitive, Emotional, Social, Moral, Language relating to Infancy, early Childhood, late Child hood.
- Understanding Development Piaget, Kohlberg, Chomsky, Carl Rogers
- Individual differences Intra & Inter Individual differences in the areas of Attitudes, Aptitude, Interest, Habits, Intelligence and their Assessment
- Development of Personality Concept, Factors effecting development of Personality
- Adjustment, Behavioral problems, Mental Health
- Methods and Approaches of Child Development Observation, Interview, Case study, Experimental, Cross sectional and Longitudinal

- Developmental tasks and Hazards

2. UNDERSTANDING LEARNING

- Concept, Nature of Learning Input Process Outcome
- Factors of Learning Personal and Environmental
- Approaches to Learning and their applicability Behaviorism (Skinner, Pavlov, Thorndike), Constructivism (Piaget, Vygotsky), Gestalt (Kohler, Koffka) and Observational (Bandura)
- Dimensions of Learning Cognitive, Affective and Performance
- Motivation and Sustenance -- its role in learning.
- Memory & Forgetting
- Transfer of Learning

3. PEDAGOGICAL CONCERNS

- Teaching and its relationship with learning and learner
- Learners in Contexts: Situating learner in the socio-political and cultural context
- Children from diverse contexts Children With Special Needs (CWSN), Inclusive Education
- Understanding of Pedagogic methods Enquiry based learning, Project based learning, Survey, Observation and Activity based learning
- Individual and Group learning: Issues and concerns with respect to organizing learning in class room like Study habits, Self learning and Learning to learn skills
- Organizing learning in heterogeneous class room groups Socio-economic background, Abilities and Interest
- Paradigms of organizing Learning Teacher centric, Subject centric and Learner centric
- Teaching as Planned activity Elements of Planning
- Phases of Teaching Pre active, Interactive and Post active
- General and Subject related skills, competencies required in teaching and attributes of good facilitator
- Learning resources Self, Home, School, Community, Technology
- Class room Management: Role of student, teacher, Leadership style of teacher, Creation of non-threatening learning environment, Managing behavior problems, Guidance & Counseling, Punishment and its legal implications, Rights of a child, Time Management.
- Distinction between Assessment for Learning & Assessment of Learning, School based Assessment, Continuous & Comprehensive Evaluation : Perspective & Practice
- Understanding teaching & learning in the context of NCF, 2005 & Right To Education Act, 2009.

GUJARATHI Total Marks : 30 (A) content (24) 24212/2/1/ 2/2/:-Marks: 24 (any analafard uzl :-۶IJ 3/2, avis vieux :- 3/221 24 and avid existent अपने आधाना विविध क्षेत्रों II ચોગ્ય લાક્ય સ્થાના, કર્તરી, કમંદુર્તી પ્રયોગ, લાક્યએદ, ચોગ્ય ક્રમમાં દ્વેનક વા, સારાંશ, પ્રત્યક્ષ-પ્રવેશ લાક્યો ע מצואותו, הועותו עצות, מער, צוח, אוֹחהֹב, המצות המוצו המצותו צוגבו, תעושומותו צוגב, શ્વાબ્દ સમૂહ માટે એક શાહ્દ, રૂડિ પ્રશાગ, કેદવતો, ઉઆણાં, સુભાષિતા.

III. LANGUAGE – II (ENGLISH) (Marks: 30)

CONTENT (Marks: 24)

1. Parts of Speech 2. Tenses 3. Types of Sentences 4. Prepositions & Articles

5. Degrees of Comparison 6. Direct and Indirect Speech 7. Questions and question tags,

8. Active & Passive voice 9. Use of Phrases 10. Comprehension 11. Composition 12. Vocabulary.

PEDAGOGY (Marks: 06)

- 1. Aspects of English:- (a) English language History, nature, importance, principles of English as second language (b) Problems of teaching / learning English
- 2. Objectives of teaching English.
- 3. Phonetics
- 4. Development of Language skills:- a Listening, Speaking, Reading & Writing (LSRW).b) Communicative skills.
- Approaches, Methods, Techniques of teaching English.
 (a) Introduction, Definition and Types of approaches methods and techniques of teaching English (b)Remedial teaching.
- 6. Teaching of structures and vocabulary items.
- 7. Teaching learning materials in English
- 8. Lesson Planning
- 9. Curriculum & Textbooks
- 10. Evaluation in English language

IV. MATHEMATICS (Marks: 30)

CONTENT (Marks: 24) (Old

Syllabus)

- **1. Number system**: Whole numbers, place value, comparison, fundamental mathematical operations ; Addition, Subtraction, Multiplication and Division, Indian Currency, Prime and Composite numbers, Prime factors, Lowest Common Multiple (LCM) and Greatest Common Multiple (GCM).
- 2. Fractions: Concept of fractions, proper fractions, improper fractions, mixed fractions, decimal fractions, comparison, addition, subtraction, multiplication, division of fractions and decimal fractions. Use of fractions in daily life. Rational Numbers; definition, four fundamental operations; properties of numbers (N, W, Z and Q), Square, Square root, Cube, Cube root, and factorization.
- 3. Arithmetic: Unitary method, Ratio & Proportion, percentages, average, profit loss.
- 4. Geometry: Rotation, Types of Angles, Construction and measurement of Angles, line, axis, shapes, reflection and symmetry.
- 5. Measurements: Length, Weight, Capacity, Time, Perimeter and Area, their standard units and relation between them.
- 6. Data Applications: Introduction to Data, data presentation, Bar graph.

PEDAGOGY (Marks: 06)

- 1. Definitions and Nature of Mathematics
- 2. Aims, values and instructional objectives of teaching Mathematics
- 3. Methods of Teaching Mathematics
- 4. Instructional material in Mathematics TLM in Mathematics
- 5. Instructional Planning
- 6. Designing, Administration, Analysis of scholastic Achievement test (SAT)
- 7. The Mathematics Teacher
- 8. Resource Utilization
- 9. Curriculum and Text Book
- 10. Diagnostic and Remedial Teaching

V. ENVIRONMENTAL STUDIES (Marks: 30)

CONTENT (Marks: 24)

Our Body – **Health** – **Cleanliness** - External, Internal parts of our body, Bones, Muscles, Sense organs, Digestion, Respiration, Nervous system, Excretory system, Circulatory system, First Aid.

My Family - My Family – Family tree, migration, changing structures of family – nuclear and joint families, festivals.

Work & Play - Occupations, Child labor, Games – Local, National and International, Marshal Arts, Effects of games on respiration and breathing, fairs, Circus.

Plants and Animals-Plants & animals in our surroundings, Plant & Animal products, parts of a plant, photosynthesis, parts of a flower, pollination, fertilization, fruits, seeds. Wild & cultivated plants, wild & domestic animals their food, arrangement of teeth in animals.

Our Food - Different types of food, storage of grains and vegetables, storage of food, Food – animal husbandry, Nutrients of food, deficiency diseases.

Shelter - Need, different types of houses, electrical appliances - their use, social life in ants and honey bees, Animals shelter – variation.

Air - Importance of air, composition of air, atmospheric pressure, diseases spread through air and their prevention, air pollution - causes, its impact, and measures to prevent, Green House effect.

Water - Importance, water resources, aquatic flora and fauna, measurement of liquids, Water pollution - causes, impact, measures to prevent, purification of water.

Earth and Sky - Latitudes and longitudes, movements of earth, local time, Standard time, temperature, atmosphere, rainfall. Interiors of the earth.

Our country (India) - Location, Area, Physical features, Climate, Natural resources, Historical places in India, Population, Minerals, Industries.

Our state (Andhra Pradesh) - Location, Physical features, Climate, crops, clothes, food, Culture, State Government, Gram Panchayat, Mandal Parishad, Municipality, Municipal Corporation, Local Emergency services, our state symbols.

History and culture of India - Evolution of Man, Pre-historic period, Indian culture and Heritage, Civilization, Medieval period culture, Ancient monuments, Religious movements: Jainism, Buddhism, Bhakti movement, Great personalities, Indian freedom movement, Modern India.

Indian constitution - Fundamental rights, Fundamental duties, Directive principles, Structure of Government in India, India - National objectives, National symbols, Right to Information (RTI),

U.N.O.

PEDAGOGY (Marks: 06)

- 1. Concept and scope of Environmental Studies (Science & Social Studies)
- 2. Aims & Objectives of teaching Environmental Studies (Science & Social Studies)
- 3. Relation to Science and Social Studies
- 4. Curriculum and its transaction
- 5. CCE
- 6. Learning Environment