

## Annexure-C

### **A. Detailed Syllabus of Preliminary Written Examination**

- (i) Odia Language comprehension- 10<sup>th</sup> Standard
- (ii) English Language comprehension- +2 Standard
- (iii) Arithmetic- 10<sup>th</sup> Standard
- (iv) Data Interpretation (Chart, Graph, Table, Data Sufficiency etc.)- 10<sup>th</sup> Standard
- (v) Logical reasoning and analytical ability, General mental ability.
- (vi) General Studies  
(Indian Constitution, Indian Economy, Indian and World Geography, History of India, History of Odisha, General Issues of Environment or Climate change- 10<sup>th</sup> Standard)
- (vii) Current Events of National and International Importance
- (viii) Computer or Internet Awareness

### **B. Detailed Syllabus of Main Written Examination**

#### Detailed Syllabus of Main Written Examination of Teacher Educator

#### **Technical Paper – I : (Syllabus of Compulsory Paper)**

**a) Philosophy of Education**

- Contemporary Western Educational Thought and Contemporary Indian Educational Thought.
- Education and Society, Social Control, Social Change Process of Socialization and Modernization, Determinants of Culture, Culture and Education.

**b) Educational Psychology :**

**Learning :**

- Concept, Nature and Scope of Learning
- Theories of Learning and Laws of Learning
- Transfer and Training
- Motivation, Functional Autonomy of Motive
- Experience-based Learning

**Individual Difference :**

- Differences due to Heredity and Environment
- Types and Extent of Individual Differences
- Educational Provision for Individual Differences

**Intelligence :**

- Nature and Measurement
- Special Abilities and their Measurement Tests and their Administrations

**Personality and its Measurement :**

- Definition
- Traits of Personality
- Measurement of Personality

**Adjustment :**

- Mental Health and Adjustment
- Conflict, Frustrations and Complexes
- Defence Mechanism
- Behaviour Problems in Schools
- Teacher's Mental Health

**c) Teacher Education :**

- Teacher Education with reference to University Education Commission – 1948, Secondary Education Commission – 1952, NCFTE – 2009, Kothari Commission – 1964-1966, Chattopadhyay Commission – 1985 and Justice Verma Commission – 2012.
- Teacher Preparation and Teacher Development (Pre-service and Inservice Training of Teachers)
- Centrally Sponsored Scheme of Teacher Education
- Teacher Education System in the Country and in the State : Structure Management, Finances and Programme.

**d) Educational Administration and Supervision (with reference to School and Teacher Education)**

**Principles :**

- Scope of Educational Administration and the factors determining it
- Principles of educational administrative in a democracy

**Educational Control and Management :**

- Educational Authorities : Central, State and Local, their organization, power and functions
- Important Central Agencies such as UGC, NCERT, NUEPA, NCTE, All India Council for Teacher Education

**Educational Supervision :**

- Concept, Scope and Principles
- Objectives
- Process and Techniques of Supervision
- Enabling Supervision for School Effectiveness

**Current Educational Initiatives :**

- National Education Policy, 2020 (School Education)
- Concept and Recommendation of NIPUN BHARAT
- Role and Responsibility of DIET for enhancing quality education at the elementary level
- Assessment at Elementary level
- NCF – FS and NCF – SE, OCF – SE

**Technical Paper – II: (Syllabus of Optional Paper)**

**Teacher Educator in Foundation Course**

**Unit - 1: Philosophy and Education:**

- Philosophy Meaning, Nature and Function
- Philosophical Methods: Contemplation, Speculation, Enquiry and Analysis
- Educational Philosophy: Meaning, Nature, Scope and Functions
- Issues in Philosophy and Education

**Unit - 2: Society, Culture and Education**

- Interrelationship among Society, Culture and Education
- Education for Strengthening Social-cultural base
- Modernization: Concept, Adaptive Demands, Characteristic of Modern Society

**Unit - 3: Emerging Social Changes, Role of Education**

- Neo-Colonialism, Neo-Capitalism, Neo-Liberalism
- Identity and Autonomy of Indian Education
- Adholism in Indian Education
- Secular Concerns in Indian Society

#### **Unit - 4 : Curriculum Transaction and Assessment**

- Methods and Techniques of Curriculum Transaction: Lecturecum-Discussion, Demonstration, Group Discussion, Seminar, Workshop, Team Teaching, Brain-Storming Session, Project and Assessment, Activity-based Approach
- Use of ICT in Curriculum Transaction and Assessment
- Assessment in Teacher Education Programme: Continuous Comprehensive Assessment, Internal and External Assessment, Portfolio Assessment, Competency-based Assessment

#### **Unit - 5: Educational Research**

- Designing a Research Proposal: Identification of a Problem, Need and Components of a research proposed.
- Research Questions: Objective, Hypothesis, Methods of Study
- Population and Sample
- Instrumentation: Tools and Techniques
- Action Research

## **Teacher Educator in Science**

#### **Unit – 1: Science in School Curriculum**

- Nature and Scope of Science
- Importance of Science in Daily Life
- Objective of Teaching-Learning Science (Revised Blooms Taxonomy)
- Curriculum Reforms in Science Education, Recommendations of NCF – 2005, NCF – SE, OCF – SE

#### **Unit – 2: Methods of Teaching-Learning Science**

- Observation – Type, Process, Recording Observation
- Problem Solving – Steps of Problem Solving
- Project – Selection, Preparation, Implementation Evaluation and Reporting of the Project
- Demonstration-cum-Discussion
- Teaching Science based on Constructivist Approach – 5E Model and ICON Model

#### **Unit – 3: Curricular Activities in Science**

- Use of Teaching-Learning Materials; Charts, Graph, Bulletin Boards, Models
- Improvisation of Teaching Aids
- Learning Activates – Science Laboratory Activities; Field Trip, Science Club, Science Seminar, Science Exhibition

#### **Unit – 4: Assessment in Science Learning**

- Strategies of Assessment : Achievement Test, Diagnostic Test
- Planning for Continuous Assessment of Classroom Learning
- Alternative Strategies for Assessment : Portfolio, Rubrics

#### **Unit – 5: Learning Resources in Science**

- Laboratory as a Learning Resource : Structure, Designing Organization and Maintenance, Different Forms of ICT and their Application in Teaching-Learning Science, Slides, Computer and Internet