

Modalities of Online Computer Based Test :

A. Subjects of Test :

The test shall be conducted in two papers. Both the papers are compulsory. The subjects and distribution of marks in each paper are given in the following table.

Paper I is compulsory for all the candidates (both Arts and Science group). It would consist of Language (English), General Awareness, Reasoning and Teaching Aptitude. This Section shall be of 30 marks. There will be 30 questions. Each question carries one (01) mark. All Questions shall be of multiple choice types.

Paper II shall be of 60 marks. There are two sections. The candidates have to select any one section and shall have to answer all the questions of that particular section. Section A is meant for Arts Group. The candidates who select the Arts Group shall have to answer all the questions from General English, Odia, Geography, History and Political Science. The candidates selecting the Science Group in Section B shall have to answer all the questions from Physical Science, Bio-Science and Mathematics. Each question carries one mark. All the questions are of multiple choice types.

Detailed Syllabus :

Paper : I

Full Marks : 30

Language (English)	Comprehension, Vocabulary & Usage	10 Marks
Education & General Awareness	Everyday science, Political system and happenings, General information, Educational committees and commissions, Educational policies and initiatives, Agencies working for education	05 Marks
Reasoning	Logical and Analytical Reasoning	05 Marks
Teaching Aptitude	Solving problem of educational context, managing classroom and learning, Learner and learning related issues, goals of education, role of various agencies and organization in management of education, issuing related to teaching-learning strategies.	10 Marks

Paper II shall consist of subject based tests. Candidates with Science background has to choose the Science Group and candidates with Arts background has to choose the Arts Group.

Paper – II :

Full Marks : 60

There shall be two sections of questions, one for the Arts Stream and the other for the Science stream. The candidates are required to select any one section and mention their option in the application form and answer sheets.

Section – A (Arts Stream)

Subjects	No. of Questions / Marks
General English	15
Odia	10
History and Political Science	20
Geography	15
Total	60

Section – B (Science Stream)

Subjects	No. of Questions / Marks
Physical Science	20
Bio-Science	20
Mathematics	20
Total	60

B. Duration of the Test : 1 hour and 30 minutes (**90 minutes**)

C. Type of Questions : Multiple choice with four options. The candidates are required to choose the best correct answer.

Section A (Arts Stream) : English, Odia, History and Political Science, Geography

English :

- Comprehension – Unseen text
- Word formation, derivation, antonyms and Synonyms
- Spelling and punctuation
- Grammar (Parts of speech, time and tense, change of voice, Direct and indirect speech and transformation of sentences)

Odia :

- Comprehension – Unseen text
- Odia Dhvani, Odia Vocabulary – Word formation and syntax Spelling and Punctuation
- Grammar (Karaka, Bibhakti, Samasa)

History and Political Science :

- Rise of the British power in India
- Socio-religious Movements in 19th Century
- India's struggle for freedom
- French Revolution, 1st World War and 2nd World War
- Salient features of Indian constitution and Fundamental Rights
- Functions of Legislative Assembly, Parliament, High Court and Supreme Court

Geography :

- Latitude and Longitude
- Physical division of India
- Natural Resources
- Social and economic resources
- Conservation of forest and wild life

Section B (Science Stream) : Physical Science, Bio-Science, Mathematics, Physical Science :

- Atomic structure– Atoms and molecules, classification of elements
- Chemical reactions and equations
- Motion – Laws of motion, concept of work, energy pressure and their measurement
- Electricity and magnetism: - Electric Circuit, Potential difference, magnetic Field, lines of force, electro -magnetic induction
- Heat, Light and Sound

Mathematics :

- Number System, Ratio and Proportion
- Set theory, relations and functions
- Linear, Simultaneous and quadratic equations, polynomials
- Theory of Indices, Logarithm and Antilogarithm
- Trigonometric Ratios and Indices, Problems on height and distance
- Basic Geometrical Concepts and Geometry of plane figures

Biological Science :

- Cell : Structure, Components and Functions
- Diversities in plants and animals
- Natural resources
- Environment – Eco -system, flow of energy, Bio -Geo Chemical cycle in nature, environmental degradation and pollution
- Basic Physiological function in plants and animals : Nutrition, Respiration, Excretion and Reproduction