SYLLABUS for Entrance Test

The test shall be conducted in two sections. Both sections are compulsory. The subjects and distribution of marks in each section shall be as per the following:

- Section I is compulsory for all the candidates (both Arts and Science groups). It would consist of Language (English), General Awareness, Reasoning and Teaching Aptitude. This Section shall be of 40 marks. There will be 40 questions. Each question carries one (01) mark. All Questions shall be of multiple choice types.
- Section II shall be 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 the 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.

Syllabus for B.Ed. Arts Stream

Section: I Full Marks: 40

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

Section: II Full Marks: 60

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

Detailed Syllabus for Section II (Arts Stream):

(English, Odia, History and Political Science, Geography and Economics)

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 Dhwani, 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 the Indian constitution and Fundamental Rights
▪ Functions of the Legislative Assembly, Parliament, High Court and Supreme Court

Geography and Economics:
▪ Latitude and Longitude
▪ Physical division of India
▪ Natural Resources
▪ Social and economic resources

▪ Conservation of forest and wild life

▪ Basic Features of India Economy

Syllabus for B.Ed. Science Stream

Section: I Full Marks: 40

Language (English)	Comprehension, Vocabulary & Usage	10 Marks
General Awareness	Everyday science, Political system and happenings, General information, Educational committees and commissions, Educational policies and initiatives, Agencies working for education	10 Marks
Reasoning	Logical and Analytical Reasoning	10 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

Section: II Full Marks: 60

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

Detailed Syllabus for Section II (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