

NASA

Bachelor of Education (B.Ed.) Entrance Syllabus

Courses: - Bachelor of Education (B.Ed.)

Duration: - The B.Ed. Programme shall be of duration of two academic years

Eligibility Criteria:-

She/he must be an Arts / Science Graduate. General candidates should have at least 50% marks in aggregate in the

Bachelor's Degree Exam or in the Master's Degree in concerned Science/ Social Science/Humanity subject and SC/ST, SEBC

& PH candidates should have 45% of marks in aggregate in the Bachelor Degree Exam or in the Master's Degree. She/he

Should have passed Graduation with at least two school subjects of minimum 200 marks each

OR

Candidates having Bachelor Degree in Engineering or Technology (B.Tech) with specialization in Science and Mathematics (as per AICTE syllabus) with 55% marks in aggregate for General candidates and 50% marks in aggregate for SC, ST, SEBC and PH candidates The Science graduate candidates should have passed with two school subjects (with not less than 200 marks each) out of

Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science and Geography

N.B.: The Candidates claiming reservation for PCM subject must have studied all the concerned subject i.e. Physics,

Chemistry and Mathematics of minimum 200 mark each

For the Arts Graduate candidate: The candidates applying for Arts category must have studied at least two (02) school

subjects of 200 marks each at their Graduation level. The candidates having any two language subjects at their Graduation

level can not claim as having two schools subjects. All the language subjects viz.

English/Odia/Hindi/Sanskrit studied as

compulsory/ pass/honours/electives shall be treated as one subject

Candidates must have studied two **(02) school** subjects from the following: English/Odia/Hindi / Sanskrit, History,

Geography, Economics, Indian Economy, Political Science, Landmarks in Indian History, Indian

Geography, Indian Polity,

Mathematics

N.B.: The Candidates having English/Odia/Sanskrit/Hindi subjects either as pass, honours or elective must have studied another school subjects as mentioned above besides the language subjects

She/he must have passed Odia as MIL up to HSC level or any such equivalent or higher examination or

have passed Odia as a subject in specific exam conducted by BSE, Odisha of HSC standard or should

have passed HSC Exam of BSE, Odisha in Odia medium with MIL other than Odia The Candidates

seeking admission in B.Ed. Course for the seats reserved for Telugu Candidates must have studied Telugu as one optional subject at Graduation level.

Age Limit:-

Category	Age Limit
General Candidates	28 years
SC, ST, SEBC	33 years

Women candidates of all categories	33 years
PH Candidates	38 Years

Candidates the upper age limit is inclusive of age relaxation for relevant groups as admissible under rules

Modalities of Entrance 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 common and 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

The following is the distribution of marks and the broad areas under each aspect.

Language (English)	Comprehension, Vocabulary & Usage	10 Marks
Education & general awereness	Everyday science, Political system and Education & happenings, General information, Educational committees and commissions, Educational policies and initiatives, Agencies working for	5 Marks

	education	
Reasoning	Logical and Analytical Reasoning	<i>5 Marks</i>
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	<i>10 Marks</i>

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.

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
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B. Duration of the Test :

01 Hours and 30 minutes

C. Type of Questions : Multiple choice with four options. The candidates are required to give their answer on Computer Based On-Line Test.

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

English :

15 Marks

- 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 :

10 Marks

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

History and Political Science :

20 Marks

- 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 :

15 Marks

- 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 :

20 Marks

- 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

Biological Science :

20 Marks

- 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

Mathematics :

20 Marks

- 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