

ST. XAVIER'S COLLEGE, RANCHI

B.SC. COMPUTER APPLICATION

Syllabus for Entrance Test 2026

Duration of Entrance Test: 2 hours

Eligibility Criteria

Eligibility criteria to appear in the entrance test for admission in Bachelor of Computer Applications for the Academic Year 2026 – 27 is as follows: -

1. General Criteria: Candidates must have passed class 12 or Equivalent Qualifying Examination in Science with minimum 50 % of aggregate marks with Mathematics as One of the subjects.
2. Honours Specific Criteria: Candidates must have passed class 12 or Equivalent Qualifying Examination in Science with minimum 45 % Marks in Mathematics.
3. Reservation Policy of Government of Jharkhand will be followed.

Syllabus

1. Mathematics: Class 12 Science or I. Sc.

Level Mathematics

1. Relations and Functions
2. Inverse Trigonometric Function
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Application of Derivatives
7. Integrals
8. Application of integrals
9. Differential Equation
10. Three Dimensional Geometry
11. Linear Programming
12. Probability

2. English

3. PO Level Reasoning

4. Computer Fundamentals

Question Pattern

1. Multiple Choice Question each carrying **ONE** Marks.
2. No Negative Marking
3. There are **TWO** Parts
 - a. Part A is compulsory and consists of **TWO** Sections

1. Section A: English Grammar

2. Section B: Reasoning

b. Part B consists of **TWO Sections** out of which any **ONE Section** of questions to be answered

1. Section C: Mathematics

OR

2. Section C: Computer Fundamentals

4. Total Number of MCQs = 100

a. Part A (Compulsory)

1. Total Number of MCQs in English Grammar=30

2. Total Number of MCQs in Reasoning=40

b. Part B

1. Total Number of MCQs in Mathematics=30

OR

2. Total Number of MCQs in Computer Fundamentals=30