

**ST. XAVIER'S COLLEGE, RANCHI**  
**BACHELLOR OF COMPUTER APPLICATION –**  
**AICTE APPROVED**

**Syllabus for Entrance Test 2026**

**Duration of Entrance Test: 2 hours**

**Eligibility Criteria**

Eligibility criteria to appear in the entrance test for admission in B.Sc. (Vocational Honours) Computer Application for the Academic Year 2025 – 26 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. Total number of MCQs to be asked = 100
  1. Total Number of MCQs to be asked in Mathematics=30
  2. Total Number of MCQs to be asked in English Grammar=30
  3. Total Number of MCQs to be asked in Reasoning=30
  4. Total Number of MCQs to be asked in Computer Fundamentals=10