

**ST. COLUMBA'S COLLEGE**

Ph: (06546) 222197 (O)  
(06546) 223061 (D)

**HAZARIBAG, JHARKHAND.**

**(Post Graduate College)**

**Estd. 1899**

**NAAC Graded - B++**

**Selection Procedure of BCA programme**

Students for the admission in BCA programme will be selected through the Entrance Aptitude Test (EAT) followed by Viva-Voce.

**Structure of Entrance Aptitude Test [EAT] for BCA:**

**1. Entrance Aptitude Test (EAT)- (90 marks)**

An Entrance Aptitude Test will be conducted, comprising of 45 Multiple Choice Questions, each carrying 02 marks [Total: 90 marks] of duration 90 minutes, in 2 sections:

| Section | Subjects             | No of questions |
|---------|----------------------|-----------------|
| A       | Mathematics          | 25              |
| B       | General Ability Test | 20              |
|         | Total                | 45              |

Negative Marking: Each correct answer will carry 02 marks and 0.5 marks will be deducted for each wrong answer.

Note: At the time of EAT, candidates are required to bring the following:

- Application Form of Chancellor Portal with Fee Payment Receipt
- Valid Photo ID [original];
- Candidates are advised to reach the venue half an hour before the commencement of examination.

**2. Viva-Voce -(10 Marks)**

A viva-voce will be conducted for all students who will qualify EAT.

Note : At the time of Viva-voce, candidates are required to bring the following certificates for verification

- Application Form of Chancellor Portal with Fee Payment Receipt dully signed by Invigilators of EAT
- Valid Photo ID [original];
- Marksheet of 10+2 or equivalent
- Matriculation Certificate.
- 2 color recent passport size Photograph
- Caste Certificate, if applicable. [BC/SC/ST/EWS]
- PWD Certificate, if applicable.
- Residential Certificate, if applicable.

Note: Please bring 1 set self-attested Xerox copy of all certificates with original.

**Co - ordinator**

Department of Computer Applications  
St. Columba's College  
Hazariabag

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# Syllabus

## Section A: Mathematics (25 x 2 = 50 marks)

**Algebra** : AP, GP, HP, Theory of quadratic equations, Permutation and combination , Binomial Theorem

**Matrices** : Addition, subtraction and multiplications of matrices

**Trigonometry** : General value of trigonometrically functions, Inverse circular functions, logarithms

**Calculus**: Limit of functions, differentiation of function, Implicit function, Integration by parts, definite integration, dy/dx as a rate measurer.

**Co-ordinate Geometry**: Equations of straight lines

**Vector Analysis** : Additon of vectors, product of two vectors, static-resultant of two forces at a point inclined at an angle, triangle of forces, converse of triangle of forces,Lamas theorem, Projectiles

## Section B: General Ability Test (20 x 2 = 40 Marks)

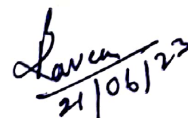
Computer Basics, General Science, General Studies, English and Reasoning (verbal/non Verbal)

### Tentative Schedule

1. Date of EAT-2023 : 02/07/2023
2. Time : 11 am to 12.30 pm
3. Venue : Vocational Building, St. Columba's College.
4. Declaration of Result of EAT : 04/07/2023  
[College website: [www.stcchzb.ac.in](http://www.stcchzb.ac.in)], Chancellor Portal & Notice Board of the College & Department
5. Viva-Voce : 06/07/2023 & 07/07/2023
6. Time & Venue of Viva-Voce : 9AM onwards in the Concerned Department
7. Date of Final Selection List : 09/07/2023  
[College website: [www.stcchzb.ac.in](http://www.stcchzb.ac.in)], Chancellor Portal & Notice Board of the College & Department
8. Online Admission through Chancellor Portal : 10/07/2023 to 14/07/2023
9. Date of Commencement of Class : 17/07/2023



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## Required Documents for Admission

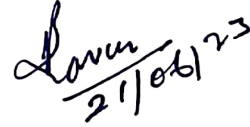
At the time of Admission, candidates are required to bring the following certificates for verification

- Application Form of Chancellor Portal with Fee Payment Receipt
- Marksheet of 10+2 or equivalent
- Matriculation Certificate.
- Migration Certificate
- College/School Leaving Certificate
- Character Certificate
- 2 color recent passport size Photograph
- Caste Certificate, if applicable. [BC/SC/ST/EWS]
- PWD Certificate, if applicable.
- Residential Certificate, if applicable.

*Note: Please bring 2 set self-attested Xerox copy of all certificates with original.*



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