



# **BIRLA BHARATI**

(Affiliated to C.B.S.E New Delhi)

## **ADMISSION NOTICE FOR THE ACADEMIC YEAR 2026-27**

### **Class XI**

- 1) **Registration Forms** for Provisional admission to Class XI for the session (2026-27) will be issued from 31.10.2025, 10:00 am to 1:00 pm on payment of Rs.1200/- in cash at:

#### **Birla Bharati**

**Taratola Santoshpur NewRoad**

**P.O - Bidhangarh**

**Near Nature Park**

**Kolkata – 700066**

**Ph. – 9830282209/9830281660**

Or Registration forms are available online by clicking on the following link

[https://www.admissiontree.in/#/schools/BB?utm\\_source=21](https://www.admissiontree.in/#/schools/BB?utm_source=21)

- 2) **Registration forms may be submitted from 10:00 am to 1:00 pm at the school reception.**

The following documents are to be submitted along with the Registration Form.

- Birth Certificate of candidate
- Aadhaar Card of candidate (If available) and both the Parents.
- Certificate issued by government for ST/SC/OBC/ Minority category (not required for general category).
- Current year ID card, if sibling is a student of Birla Bharati
- Address Proof
- Final Mark sheet of class IX and latest result of class X.

- 3) The **date of** written test will be given at the time of registration. The exam will be conducted in the school premises.

<b>Subject opted for</b>	<b>Has to appear for following examinations.</b>
<b>Science with or without Mathematics</b>	<ul style="list-style-type: none"><li>• Mathematics- 50 marks</li><li>• Physics- 25 marks</li><li>• Chemistry - 25 marks</li></ul>
<b>Humanities with Mathematics</b>	<ul style="list-style-type: none"><li>• Mathematics- 50 marks</li><li>• English-50 marks</li></ul>
<b>Humanities without Mathematics</b>	<ul style="list-style-type: none"><li>• English-50 marks</li></ul>
<b>Commerce with Mathematics</b>	<ul style="list-style-type: none"><li>• Mathematics- 50 marks</li></ul>
<b>Commerce without Mathematics</b>	<ul style="list-style-type: none"><li>• <b>No Exam.</b> Must score 60% average marks in the last school-based examination of Class X.</li></ul>

**Note:** Students opting for **Economics** in any stream must get at least **50% marks in Mathematics** in the last school-based examination.

**All the external candidates opting for Physical Education must submit a fitness certificate issued by medical practitioner of a Government registered hospital. This will be followed by an internal selection procedure.**

- 4) The list of candidate **qualifying** the written tests will be put on the Notice Board as per merit subsequently. No application sent by post or courier concerning admission will be entertained for admission.
- 5) Only those children will be called for written tests whose forms are **complete/ legible/ correct/** and the date of birth in birth certificate is according to stated rules.

**Canvassing in any form will be a disqualification for the applicant.**



# BIRLA BHARATI

## SUBJECTS OFFERED FOR CLASSES XI-XII (2026-27)

### SCIENCE

SL.NO	OPTION-A	OPTION-B	OPTION-C
1	ENGLISH CORE	ENGLISH CORE	ENGLISH CORE
2	PHYSICS	PHYSICS	PHYSICS
3	CHEMISTRY	CHEMISTRY	CHEMISTRY
4	MATHEMATICS	MATHEMATICS	BIOLOGY
5	BIOLOGY	COMPUTER SCIENCE	PSYCHOLOGY <b>or</b> HOME SCIENCE <b>or</b> FINANCIAL MARKET MANAGEMENT
6	PHYSICAL EDUCATION <b>or</b> FASHION STUDIES	PHYSICAL EDUCATION <b>or</b> FASHION STUDIES	PHYSICAL EDUCATION <b>or</b> FASHION STUDIES

### COMMERCE

1	ENGLISH CORE
2	ACCOUNTANCY
3	BUSINESS STUDIES
4	ECONOMICS <b>or</b> HOME SCIENCE <b>or</b> FINANCIAL MARKET MANAGEMENT
5	MATHEMATICS <b>or</b> ENTREPRENEURSHIP
6	PHYSICAL EDUCATION <b>or</b> FASHION STUDIES

### HUMANITIES

1	ENGLISH CORE
2	GEOGRAPHY
3	PSYCHOLOGY <b>or</b> POLITICAL SCIENCE
4	MATHEMATICS <b>or</b> HISTORY
5	ECONOMICS <b>or</b> HOME SCIENCE
6	PHYSICAL EDUCATION <b>or</b> FASHION STUDIES

**Please note that if less than 10 students opt for a subject, it will not be applicable as a valid subject choice. In that case, the second option will be applicable.**



# Admission Test Syllabus For Class XI- 2026-27

## MATHEMATICS

### 1. Algebra:

- Quadratic equations

### 2. Trigonometry:

- Trigonometric ratios
- T - ratios of particular angles ( $30^\circ$ ,  $45^\circ$ ,  $60^\circ$  etc.)
- Trigonometric identities
- Heights and distance

### 3. Similarity of Triangles

### 4. Mensuration:

- Areas related to circles - problems related to areas and perimeter/ circumference of circle
- Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right- circular cylinders/ cones

### 5. Statistics:

- Mean, median and mode

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## PHYSICS

### ➤ Effects of Current

Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.

### ➤ Magnetic effects of current

Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Direct current. Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.

### ➤ Light - Reflection and Refraction

Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula, magnification.

Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula; Magnification. Power of a lens.

### ➤ Human Eye and The colourful world

Functioning of a lens in human eye, defects of vision and their corrections by using a spherical lens. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life.

# **CHEMISTRY**

## **1. Chemical reactions and equations**

- Chemical equation,
- Balanced chemical equation,
- Implications of a balanced chemical equation,
- Types of chemical reactions:
  - a) Combination,
  - b) Decomposition,
  - c) Displacement,
  - d) Double displacement,
  - e) Precipitation,
  - f) Neutralization,
  - g) Oxidation and reduction.

## **2. Acids, Bases and Salts**

- Their definitions in terms of furnishing of  $H^+$  and  $OH^-$  ions,
- General properties, examples and uses, concept of pH scale (Definition relating to logarithm not required),
- Importance of pH in everyday life;
- Preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.

## **3. Metals and non-metals**

- Properties of metals and non-metals (Physical and chemical)
- Reactivity series;
- Formation and properties of ionic compound.

## **4. Carbon and its compound**

- Naming of carbon compound
- Chemical Reaction (Addition, Oxidation, Substitution)

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# **ENGLISH**

## **1. READING COMPREHENSION PASSAGES**

## **2. GRAMMAR**

- Determiners
- Tenses
- Transformation of Sentences (Affirmative, Negative, Assertive, Interrogative,
- Exclamatory, Imperative, Simple, Complex, Compound, Do as Directed)

## **3. WRITING SKILL/CREATIVE WRITING**

- Letter to the Editor (120-150 words)
  - Long Composition (Paragraph Writing-Narrative/Descriptive/Discursive-150-200 words)
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