Admission Notice for Class XI (2022-23)

Criteria for External Students:

Procedure: The candidates of Class XI will be selected on the basis of Offline Admission Test.

Form: Parents and guardians are requested to fill the form from the link i.e.
https://www.admissiontree.in/#/schools/BB?utm_source=21
Please fill in the required details and submit the same online. The online registration form must be filled as per instructions given on the website. Parents must follow all instructions carefully. At the time of submission of form, an auto generated Bank Deposit Slip will generate for depositing the application form fee online. Parents are requested to take a print of the form along with an auto generated Bank Deposit Slip on A-4 size paper only.
Registration form can also be collected from school office.

Payment: A sum of **Rs. 1,200**/- (Rupees One Thousand Two Hundred only) on account of registration fee to be deposited through online payment. This amount will not be refunded under any circumstances.

Documents: The following documents are to be scanned and mailed to **birlabharatiadmission@gmail.com**

1. A signed copy of the print out of the Registration Form.
2. School copy of the registration fee Bank Deposit Slip.
3. The candidate's Birth Certificate issued by Municipal Corporation / State / U.T. Government.
4. Aadhaar Card of Child (If available) and both the Parents.
5. Certificate issued by government for ST/SC/OBC/ Minority category (not required for general category).
6. Current year ID card, if sibling is a student of Birla Bharati
7. Address Proof
8. Final Mark sheet of class IX and latest result of class X.

The date and time of admission test will be provided within the 7-8 days of mailing the documents. **The exams will be conducted in the school premises.**

1. Students opting for **Science** will have to appear for following exams:

   - Mathematics – 50 marks (1hour 30mins) (Theory Based)
   - Physics- 25 marks (30mins) (MCQ and Theory based)
   - Chemistry- 25 marks (30mins) (MCQ and Theory based)

2. Students opting for **Commerce with Mathematics** will have to appear for following exam :

   - Mathematics-50 marks (1hour 30mins) (Theory Based)

3. Students opting for **Humanities with Mathematics** will have to appear for following exams :

   - Mathematics— 50 marks (1hour 30mins) (Theory Based)
   - English- 50 marks (1hour 30mins) (Theory Based)

4. Students opting for **Commerce without Mathematics** must score 60% average marks in the last examinations appeared in class X.

5. Students opting for **Humanities without Mathematics** will have to appear for following exams:
   - English-50 marks (1hour 30mins) (Theory Based)

6. Students opting for **Economics** in any stream must get at least 50% marks in **Mathematics**.

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

BIRLA BHARATI

SUBJECTS OFFERED FOR CLASSES XI-XII (2022-23)

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
6	PHYSICAL EDUCATION or BENGALI	PHYSICAL EDUCATION or BENGALI	PHYSICAL EDUCATION or BENGALI

COMMERCE

1	ENGLISH CORE
2	ACCOUNTANCY
3	BUSINESS STUDIES
4	ECONOMICS **or** HOME SCIENCE **or** LEGAL STUDIES
5	MATHEMATICS **or** ENTREPRENEURSHIP **or** FASHION STUDIES
6	PHYSICAL EDUCATION **or** BENGALI

HUMANITIES

1	ENGLISH CORE
2	GEOGRAPHY
3	PSYCHOLOGY **or** POLITICAL SCIENCE
4	MATHEMATICS **or** HISTORY **or** FASHION STUDIES
5	ECONOMICS or HOME SCIENCE **or** LEGAL STUDIES
6	PHYSICAL EDUCATION **or** BENGALI

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- 2022-23

MATHEMATICS

1. **Algebra:**

   - Polynomials
   - Linear equations in two variables

2. **Coordinate geometry:**

   - Distance formula
   - Section formula

3. **Trigonometry:**

   - Trigonometric ratios
   - T - ratios of particular angles (30^0, 45^0, 60^0 etc.)
   - Trigonometric identities

4. **Similarity of Triangles**

5. **Mensuration:**

   - Areas related to circles - problems related to areas and perimeter/ circumference of circle

6. **Probability**

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PHYSICS

1. 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 (Derivation not required), magnification.
- Refraction; Laws of refraction, refractive index.
- Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens.

2. Human eye and colourful world

- Refraction of light through a prism
- Dispersion of light
- Scattering of light
- Applications of dispersion and scattering 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 compounds

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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