



BLS WORLD SCHOOL

विद्या सर्वार्थ सिद्धये | EDUCATION FOR LIFE | HS-03, SECTOR 16, GREATER NOIDA WEST, (U.P.)

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(Affiliated to C.B.S.E., New Delhi, Affiliation No.:2133923, School Code:61557)



ENTRANCE TEST SYLLABUS GRADE XI

ENGLISH :- (20 Marks)

- **Reading-** Descriptive Comprehension Passage(Person/situation/Event), Case Based Passage
- **Writing-** Formal Letter-Letter to the Editor, Letter of Enquiry
- **Grammar-** Tenses, Determiners, Modals, Voice, Narration- Statements, Questions, Commands, Requests, Exclamatory Sentences)

MATHEMATICS:- (20 marks)

- **Number Systems-** Real Number
- **Algebra-** Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions
- **Coordinate Geometry-** Coordinate Geometry
- **Geometry-** Triangles, Circles
- **Trigonometry-** Introduction to Trigonometry, Trigonometric Identities, Heights and Distances
- **Mensuration-** Areas Related to Circles, Surface Areas and Volumes
- **Statistics and Probability-** Statistics, Probability

PHYSICS & CHEMISTRY (20 marks):-

- **Light-** Reflection and Refraction,
- **Human Eye and the Colorful World**
- **Electricity**
- **Magnetic effects of current**
- **Electromagnetism**
- **Atoms and Molecules-** Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses
- **Acids Bases and Salts-** General properties, examples and uses, neutralization, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life
- **Structure of Atom-** Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars
- **Carbon and Its Compounds-** Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series. Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydrocarbons and unsaturated hydrocarbons.

BIOLOGY:-(20 marks)

- **Digestive System** - Structure & Working
- Photosynthesis
- **Respiration** - Plants & Animals
- **Heart** - Structure & Working
- **Nephron**-Structure & Working
- Glands & Hormones
- **Germination of Pollen**- Seed Formation
- **Human Reproductive System & Reproductive health**
- **Mendel's Laws**
- **Sex Determination**

ECONOMICS:-(20 marks)

- **Sectors of Indian Economy**-Primary sector , Secondary Sector , Tertiary Sector
- **Development**
- **Money and Credit**
- **Globalisation and Indian Economy**

ELEMENTARY MARKS (20 marks)-

- **Statistics**- Mean , Median , Mode
- **Data Interpretation**-Bar graph , Line graph , Pie graph
- Ratios
- Number series
- Percentage

SST: -(20 marks)

- **Political Science**- Federalism, Political Parties
- **Economic**-Development, Money and Credit
- **History**-Nationalism in India
- **Geography**- Resources , Lifelines of National Economy

Please Note:

1. Candidate is allowed to choose subject as per the stream opted.
2. For each Stream eligibility in three main subjects has to be attempted, out of which English is mandatory.
3. Each subject carries 20 marks and is of 30 minutes duration.
4. Each candidate will be given 1 hr 30 minutes time to complete the test.
5. Minimum qualifying marks is necessary to the entrance test.to proceed for admission
6. The test will be through Online mode only