



# BLS WORLD SCHOOL

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

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



## SESSION: 2024-2025 ENTRANCE TEST SYLLABUS Class-IX

### GENERAL INSTRUCTIONS: -

1. The admission test is based on objective test followed by the interaction with Teacher/Vice Principal/ Principal.
2. The answers are to be marked from the given options in the question.
3. There is a time limit of 30 minutes for each subject and total time given to complete the entrance test is 1 hour 30 minutes.
4. Each subject is of 20 marks with total 60 marks.
5. Minimum marks are required to qualify the entrance test and eligible for admission.
6. Hindi subject is optional and not mandatory to attempt/ qualify. If attempted, its marks will be replaced with that of Mathematics /General Science.

### English:-

- Reading Comprehension
- Article Writing (Role of Students in Removing Illiteracy from Society and Importance of Value Based Education)
- Formal Letter (Letter to the Bank Manager and Letter to the Director of the Company)
- Adverb, Adjectives, Prepositions, Conjunctions, Articles
- Tenses (Present, Past, Future)
- Active & Passive Voice
- Direct & Indirect Speech

### Mathematics:-

- Rational Numbers, Linear Equation in One Variable and its applications
- Comparing Quantities: Ratio, Increase or Decrease in Percentage, Profit % and Loss %, Compound Interest,
- Square and Square Roots, Cube and Cube Roots, Factorisation, Direct and Indirect Proportion, Algebraic
- Expressions and Identities
- Mensuration: Area, Perimeter and Volume of regular shapes (Ex.- Triangles, Trapezium, Parallelogram etc.)

### General Science:-

- **Crop production** - Rabi and Kharif crops. Agricultural practices -Preparation of soil, sowing, Manure and Fertilisers, Crop rotation, Irrigation - Sprinklers, Drip system. Protection of weeds, Weedicides, Harvesting - Winnowing, Threshing. Storage of grains, Animal husbandry.
- **Microorganism; Friend and Foe** - Bacteria, Fungi and Viruses, Antibiotics, Fermentation, Nitrogen fixation, Soil fertility, Pathogens, Disease causing microorganisms. Food preservation methods.
- **Coal and Petroleum**- Fossil fuels, Exhaustible & Inexhaustible resources, Refining of petroleum, judicious use of resources and PCRA.
- **Combustion and Flame**- Combustion-its types, Essential requirements for producing fire, Ignition temperature, Ideal fuel, Calorific value, Global warming-its causes and effects.
- **Force, Pressure and Friction** - Force a push or a pull. Contact and non contact forces. Muscular force , Gravitational force , Electrostatic force & Friction
- **Reaching the age of Adolescence** - Adams apple , Puberty , Endocrine glands , Types Hormones, secondary sexual characters , menstruation , sex determination of child , balanced diet .
- **Geography**- Vegetation- Meaning, Types and examples & Wildlife.
- **Civics**- Constitution:- Preamble, Key Features & Fundamental Rights.
- **History**:- Rule of British, Freedom Struggle of India

### Hindi:-

- उपसर्ग, प्रत्यय, समास के भेद , सन्धि (स्वर सन्धि)
- अनुस्वार, अनुनासिक, नुकता
- वाक्य रचना , वाच्य के भेद
- पत्र लेखन- औपचारिक / अनौपचारिक
- अपठित गद्यांश