

# ST. XAVIER'S PUBLIC SCHOOL

Affiliated to ICSE Board, New Delhi, Member of "Xavier's Council of India"  
Kancharipara, Bombay Road, NH-6, P.O. Bagnan, Dist- Howrah

## ENTRANCE TEST SYLLABUS 2024-25

### FOR- CLASS VIII

*Both the Interview and written paper shall be conducted only in ENGLISH. The Candidate should have adequate knowledge of the subject and should be able to converse in English.*

#### ENGLISH LANGUAGE:

- 1 - Noun, its kind (gender/ singular - plural)
- 2 - Pronoun - Personal pronoun
- 3 - Adjective (Degree of comparison)
- 4 - Adverbs
- 5 - Preposition
- 6 - Conjunction
- 7 - Tenses
- 8 - Comprehension/ unseen passage
- 9 - Composition/ Essay/ letter writing (formal/informal).

#### MATHEMATICS - Problem sums also.

- 1 - Sets concepts - Operation on sets and venn diagrams; Union, intersection, complement, cardinal numbers, use of venn diagrams in solving problems.
- 2 - H.C.F and L.C.M of number (statement problems); LCM & HCF by prime factorization & division, relation between HCF and LCM of two natural numbers.
- 3 - Ratio and Proportion
- 4 - Unitary Method; Direct variation/ Inverse variation
- 5 - Simple interest:- direct problems
- 6 - Averages:- direct problems
- 7 - Algebraic Expressions [ addition, subtraction, multiplication, division ]
- 8 - Linear Equations In One Variable - solving an equation; problem based on linear equations.
- 9 - Framing of formula, change of subject of a formulae
- 10 - Special products :-  $(a+b)^2$ ,  $(a-b)^2$
- 11 - Basic Geometrical Concepts lines and angles; Parallel lines/ transversal; linear pair; vertically opposite angles, corresponding angles, alternate angles, co-interior angles.
- 12 - Circles - radius, diameter.

#### GENERAL AWARENESS

- 1- Energy and its type
- 2- Major continents of the world
- 3- How do plants multiply
- 4- The local self government

Students are required to carry their geometry box, hard board, pens and erasers.

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