

OLYMPIAD PREP BOOSTER

Reasoning Class 7 Syllabus

1. Matching Pairs (<i>analogy</i>)	Finding match of second pair of Object / Number / Alphabet/ words such that first pair is related, Identify the relationship of first pair and accordingly find the missing term in the second pair, mixed Analogy
2. Classification	Alphabet/ word / Number / Figure / Mixed related odd one out problems
3. Series Completion	Find next term / missing term / Alphabetic order term / alphanumeric term in the given series, wrong number series, missing number series
4. Coding-Decoding	Position of letters in forward and Backward direction, alphabet and word sequence test, alphabetical and symbol related coding – decoding, sentence coding, mixed coding
5. Alphabet and Number Test	Word formation test, Sequencing of word according to the dictionary, Alpha – Numeric Sequencing test, Number test
6. Direction & Distance Sense Test	Find sub direction of any object, word problem, Direction and Distance based problems, Direction of shadow during Sunrise and Sunset, direction in relation to angle rotation
7. Blood Relations	Problems on Maternal and paternal relations, word problems, Relationship Symbol related problems
8. Puzzles	Situational information related problems
9. Mathematical Reasoning (<i>including Mathematical Operation</i>)	VBODMAS operations, Symbolic operations, unitary method-based word problems
10. Inserting the Missing Characters	Inserting numbers in a figure matrix, find missing characters in figure matrix, Letter/Number finding in a Circular / Triangular / Rectangular figures
11. Venn Diagrams	Relationship identification in the given Venn diagram, with LOD increase from previous class

12. Mirror & Water Images	Mirror/Water images of Capital Letters / Figures / Numbers
13. Paper Folding & Cutting	Select figure which would easily resemble on unfolding the figure
14. Embedded Figure & Figure Formation	Choose the shape hidden in the given figure, Find zig zag (X) hidden in the given figure, Identify the object that is hidden exactly in the figure, Figure formation
15. Cube & Dice	Similar Box related problems, Opposite and adjacent faces in the cube, coloring and cutting of cubes, how many cubes are needed to make the given solid, determine the number of blocks in each level of given figure
16. Dot Situation	Select the figure which satisfies the same condition of placement of the dots as seen in the given figure, with LOD increase from previous class
17. Ranking	Position of a student in a class from Top / Bottom, position of any object in a row from left and Right end, Word problems, Rank of a student in an exam
18. Figure Matrix	Find missing figure in the matrix
19. Grouping of Identical Figure	Group selection in to which the given figure can be classified