SNS COLLEGE OF TECHNOLOGY

COIMBATORE-35

DEPARTMENT OF MECHANICAL ENGINEERING

VERBAL REASONING II

Cube

What is Cube?

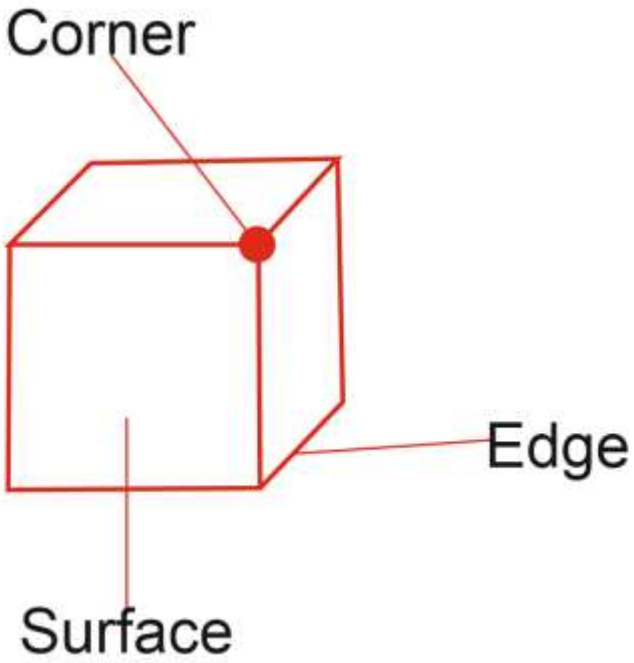
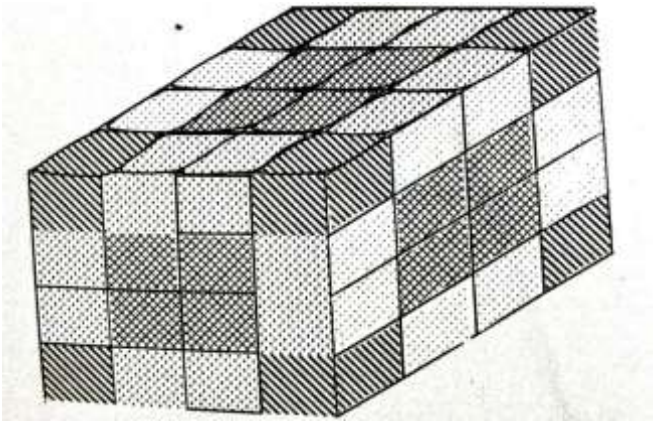
A cube is a three-dimensional solid having 6 faces, 12 edges and 8 corners. All the edges of a cubes are equal and hence all the faces are square in shape.

The questions on cubes may belong to anyone of the following categories:

1. A cube is cut by making certain specified number of cuts. The directions in which the cuts are made may or may not be given. We are to find the number of identical pieces resulting out of the given cut.

2. The number of identical pieces, into which a cube is cut, is given and we need to find the number of cuts.

3. A cube could be painted on all or some of its faces with the same colour or different colours and then cut into a certain specified number of identical pieces. The questions of the form- "How many small cubes have 2 faces painted?" "How many smaller cubes have only one face painted?" etc. could then be framed.



To solve the questions related to cubes you should definitely follow the given rules. The given rules help you to memories the shortcuts useful in solving the questions.