OBJECTIVE TYPE QUESTIONS

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Mark the correct alternative in each of the following:

1. Total number of faces of a cuboid is

(a) 4 **(b) 6** **(c) 8** **(d) 12**

Solution:

The option (b) is the correct answer.

Total number of faces of a cuboid is 6.

2. Total number of edges of a cuboid is

(a) 4 **(b) 6** **(c) 8** **(d) 12**

Solution:

The option (d) is the correct answer.

Total number of edges of a cuboid is 12.

3. Number of vertices of a cuboid is

(a) 4 **(b) 6** **(c) 8** **(d) 10**

Solution:

The option (c) is the correct answer.

Number of vertices of a cuboid is 8.

4. Which one of the following is an example of a cuboid?

(a) a dice **(b) a football** **(c) a gas pipe** **(d) an ice-cream cone**

Solution:

The option (a) is the correct answer.

Example of a cuboid is a dice.

5. A brick is an example of a

(a) cube **(b) cuboid** **(c) prism** **(d) cylinder**

Solution:

The option (b) is the correct answer.

A brick is an example of a cuboid.

6. A gas pipe is an example of a

(a) cone (b) a cylinder (c) cube (d) sphere

Solution:

The option (b) is the correct answer.

A gas pipe is an example of a cylinder.

7. If the base radius and height of a right circular cone are 3 cm and 4 cm in lengths, then the slant height is

(a) 5 cm (b) 2 cm (c) 25 cm (d) 6 cm

Solution:

The option (a) is the correct answer.

If the base radius and height of a right circular cone are 3 cm and 4 cm in lengths, then the slant height is 5 cm.

Slant height = $\sqrt{3^2 + 4^2} = \sqrt{25} = 5$ cm

8. The number of faces of a triangular pyramid is

(a) 3 (b) 4 (c) 6 (d) 8

Solution:

The option (b) is the correct answer.

The number of faces of a triangular pyramid is 4.

9. The number of edges of a triangular pyramid is

(a) 3 (b) 4 (c) 6 (d) 8

Solution:

The option (c) is the correct answer.

The number of edges of a triangular pyramid is 6.

10. A tetrahedron is a pyramid whose base is a

(a) triangle (b) square (c) rectangle (d) quadrilateral

Solution:

The option (a) is the correct answer.

A tetrahedron is a pyramid whose base is a triangle.