

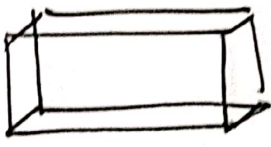
FOUNDATION

Class: VII, MATHEMATICS

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8. VISUALISING SOLID SHAPES

Teaching Task (JEE Main)

01.	Conceptual	Ans: B
02	Conceptual	Ans: B
03	Conceptual	Ans: B
		
	No. of edges = 12	Ans: C
04	Conceptual	Ans: C
05	Conceptual	Ans: D
06	Conceptual	Ans: A
07.	Conceptual	Ans: B
08	Conceptual	Ans: B
09	Conceptual	Ans: D
10.	Conceptual	Ans: D
JEE ADVANCED		
11.	Cube, Rectangular prism	Ans: A, B
12	Cylinder, Sphere	Ans: A, B
13	Conceptual	Ans: B,
14.	<u>Statement I</u> : Conceptual (False)	
	<u>Statement II</u> : Conceptual (True)	Ans: D
15.	S I and S II are True	Ans: A

16. Assertion: Conceptual (True)

(2)

Reason: Conceptual (True)

Ans. A

17. Assertion: Conceptual (False)

Reason: Conceptual (True)

Ans. D

18. Conceptual

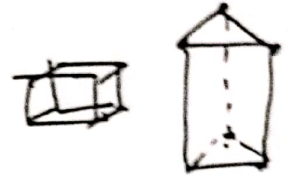
Ans. C

19. No. of edges

Triangular prism = 9

Cube = 12

\therefore Total = 21



Ans. D

20. 120°

Ans. B

21. Cube

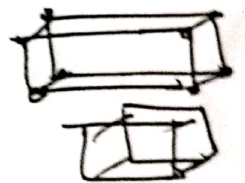
Ans. B

22. No. of vertices:

Rectangular prism: 8

Cube: 8

Triangular prism: $\frac{6}{29}$



Ans. 22

23. No. of Edges:

Cube = 12

Cylinder = 2

Spheres = $\frac{0}{14}$

Ans. 14

24. a) Conceptual (S) | c) Conceptual (P)

b) Conceptual (R) | d) Conceptual (Q)

Ans: S, R, P, Q

25 a) Conceptual (P) | c) Conceptual (x) (3)
 b) Conceptual (Q) | d) Conceptual (S) Ans: P, Q, R, S

LEARNERS TASK (CUBES)

01.	5	Ans: B
02	Cylinder	Ans: C
03	Rectangular prism	Ans: A
04	Dice	Ans: B
05	Square	Ans: C
06	Conceptual	Ans: C
07	Conceptual	Ans: BD
08	Conceptual	Ans: B
09	Conceptual	Ans: A

JEEMAINS

01.	Conceptual	Ans: B
02	Conceptual	Ans: A
03	Conceptual	Ans: D
04	Conceptual	Ans: B
05	Triangular prism	Ans: B
06	Cylinder	Ans: C
07	Face	Ans: B
08	Tetrahedron	Ans: B
09	6 squares	Ans: C
10	Conceptual	Ans: A

JEE ADVANCED

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11	Conceptual	Ans: A, B, C
12	conceptual	Ans: A, B, C, D
13	<u>Statement I:</u> Conceptual (True) <u>Statement II:</u> Conceptual (True)	Ans: A
14	<u>Statement I:</u> Conceptual (True) <u>Statement II:</u> Conceptual (True)	Ans: A
15	<u>Assertion:</u> Conceptual (True) <u>Reason:</u> Conceptual (True)	Ans: A
16	<u>Assertion:</u> Conceptual (True) <u>Reason:</u> Conceptual (False)	Ans: C
17.	<u>Conceptual:</u> It is a <u>place</u> , where two faces meet	Ans: C
18	Conceptual	Ans: B
19	Conceptual	Ans: A
20	Conceptual	Ans: B
21	No. of vertices = $8 + 8 = 16$	Ans: 16
22	<u>No. of edges:</u> Prism = 12, Triangular prism = 9	Ans: 3
23	a) Conceptual (q) c) Conceptual (s) b) Conceptual (p) d) Conceptual (r)	Ans: q, p, s, r
24.	a) Conceptual (q, r) c) Conceptual (s) b) Conceptual (p) d) Conceptual (s)	Ans: (q, r), p, s

⇒ THE END ∈