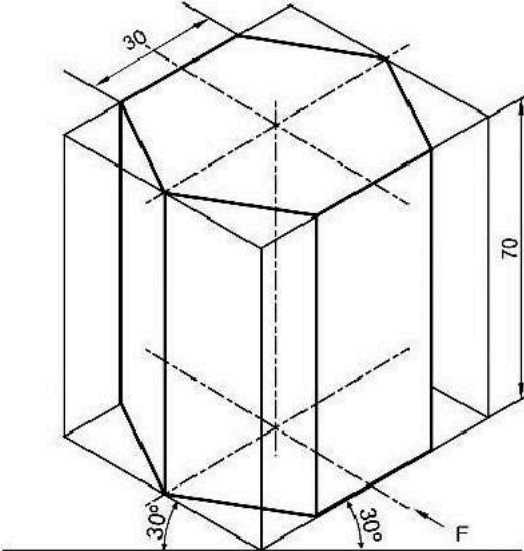


PREVIEW QUESTION BANK(Single)

Module Name : NCET Language: ENGLISH
 Section Name : 310-Engineering Graphics
 Exam Date : 29-Apr-2025 Batch : 15:00-18:00

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Ne M
Section : 310-Engineering Graphics				
Topic : Topic 93				
Q.Type : Objective Question				
1	6201	The angle between True scale and Isometric scale is : (1) 30° (2) 15° (3) 90° (4) 60° (A) 1 (B) 2 (C) 3 (D) 4	4.0	
Q.Type : Objective Question				
2	6202	Choose the correct option for the given figure :  (1) Hexagonal prism is resting on HP on its long edge. (2) Hexagonal prism is resting on HP on one of its rectangular faces. (3) Hexagonal pyramid is resting on HP on its base. (4) Hexagonal prism is resting on HP on its base. (A) 1 (B) 2 (C) 3	4.0	

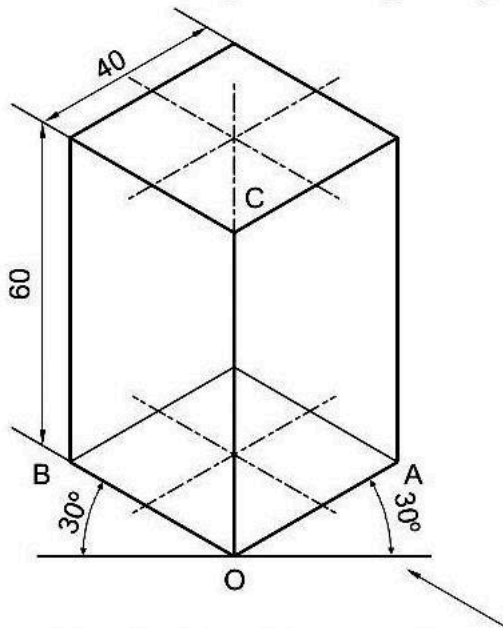
(D) 4

Q.Type : Objective Question

3 6203

4.0

Choose the correct option for the given figure.



- (1) The axis of the solid is perpendicular to HP
- (2) The axis of the solid is parallel to HP
- (3) The axis of the solid is parallel to both HP and VP
- (4) The axis of the solid is perpendicular to VP.

(A) 1

(B) 2

(C) 3

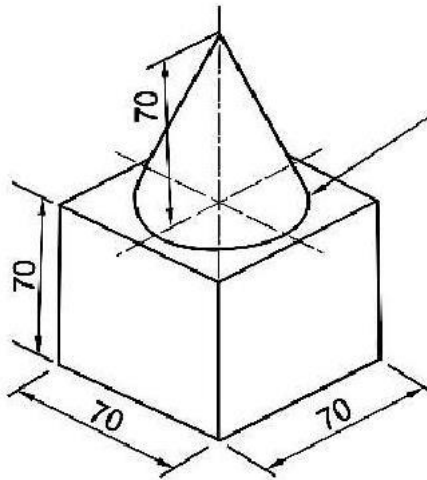
(D) 4

Q.Type : Objective Question

4 6204

4.0

Identify the solids in the given image.



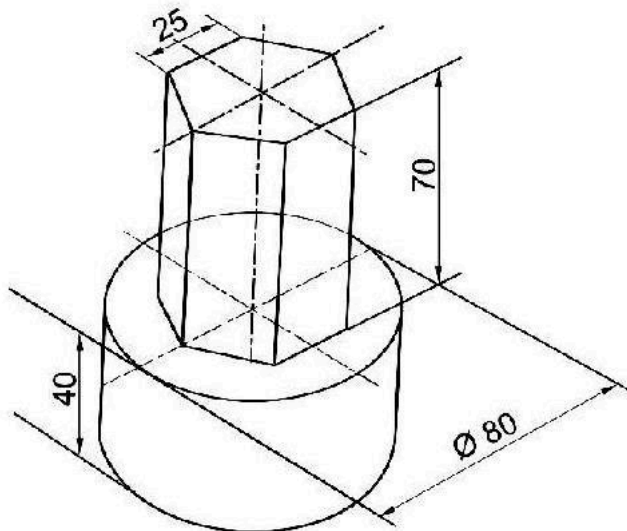
- (1) Cone and cylinder
- (2) Cylinder and cube
- (3) Cone and cube
- (4) Cone and square pyramid

- (A) 1
- (B) 2
- (C) 3
- (D) 4

Q.Type : Objective Question

5 6205

Choose the correct option for the given isometric projection.



- (1) An inverted hexagonal pyramid is resting on a cylinder.
- (2) A hexagonal prism is resting on a circular slab.
- (3) A hexagonal pyramid is resting on a circular slab.
- (4) A hexagonal prism is resting on the curved surface of a cylinder

- (A) 1
- (B) 2

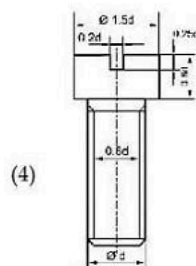
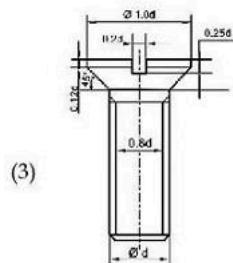
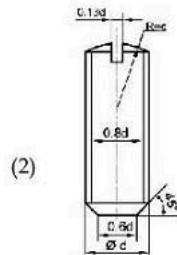
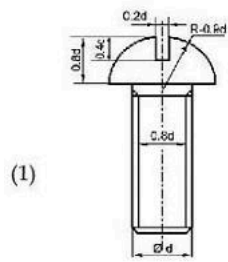
4.0

		(C) 3 (D) 4	
Q.Type : Objective Question			
6	6206	_____ is the edge of the thread surface nearest to the axis, in case of an external screw thread. (1) Crest (2) Lead (3) Flank (4) Root (A) 1 (B) 2 (C) 3 (D) 4	4.0
Q.Type : Objective Question			
7	6207	If given pitch (P) of BSW thread is 40 mm, then its theoretical depth (D) is : (1) 38.4 mm (2) 35.6 mm (3) 30.9 mm (4) 33.8 mm (A) 1 (B) 2 (C) 3 (D) 4	4.0
Q.Type : Objective Question			
8	6208	Flanks of square thread are _____ and _____ to each other. (1) inclined, parallel (2) vertical, parallel (3) vertical, perpendicular (4) inclined, perpendicular (A) 1 (B) 2 (C) 3 (D) 4	4.0
Q.Type : Objective Question			
9	6209		4.0

		The approximate height/thickness of a hexagonal bolt head is _____ (where 'd' is the nominal diameter of the bolt) (1) 1.0 d (2) 0.5 d (3) 1.5 d (4) 0.8 d (A) 1 (B) 2 (C) 3 (D) 4	
Q.Type : Objective Question			
10	6210	If a 'Square Nut' of diameter (d) = 25 mm is kept with its axis vertical and two of the opposite edges of square face parallel to VP, then the Radius (R) of chamfering arc in its front view is _____. (1) $R = 1d$ (2) $R = 1.5d$ (3) $R = 2.0d$ (4) $R = 2.5d$ (A) 1 (B) 2 (C) 3 (D) 4	4.0
Q.Type : Objective Question			
11	6211	Choose the correct option for a 'Plain washer'. (1) Washer is used where the surface of machine part is smooth (2) Washer is used where the surface of machine part is rough (3) Washer helps the nut in cutting in to the metal (Machine part) (4) Washer is a solid circular disc of thickness = nominal diameter (d) (A) 1 (B) 2 (C) 3 (D) 4	4.0
Q.Type : Objective Question			
12	6212	In the conventional representation of an Internal V thread, the side view shows a thick complete circle which represents the _____. (1) root (2) flank (3) crest (4) pitch	4.0

		(A) 1 (B) 2 (C) 3 (D) 4	
Q.Type : Objective Question			
13	6213	_____ is a head less bolt. (1) Rivet (2) Nut (3) Screw (4) Stud (A) 1 (B) 2 (C) 3 (D) 4	4.0
Q.Type : Objective Question			
14	6214		4.0

Identify the Cheese Head Screw from the given figures.



- (A) 1
(B) 2
(C) 3
(D) 4

Q.Type : Objective Question

15 6215

The outer diameter in the top view of Vertical Flat-head Rivet having nominal diameter ' $d' = 20$ mm is _____.

- (1) 40 mm
(2) 20 mm
(3) 30 mm
(4) 16 mm

- (A) 1
(B) 2

4.0

		(C) 3	
		(D) 4	

Q.Type : Objective Question

16	6216	'Open Bearing' is useful for shafts rotating at _____. (1) medium speed (2) high speed (3) extremely high speed (4) slow speed (A) 1 (B) 2 (C) 3 (D) 4	4.0
----	------	---	-----

Q.Type : Objective Question

17	6217	Bush Bearing is a type of _____. (1) Open Bearing (2) Pivot Bearing (3) Iournal Bearing (4) Thrust Bearing (A) 1 (B) 2 (C) 3 (D) 4	4.0
----	------	---	-----

Q.Type : Objective Question

18	6218	The cotters used in 'Sleeve and Cotter Joint' are _____ to axes of the rods. (1) parallel (2) inclined (3) perpendicular (4) either parallel or perpendicular (A) 1 (B) 2 (C) 3 (D) 4	4.0
----	------	--	-----

Q.Type : Objective Question

19	6219		4.0
----	------	--	-----

		The tapering sides of Gib and Cotter _____ each other in 'Gib and Cotter Joint'. (1) mate with (2) are parallel and away from (3) are perpendicular to (4) are inclined to (A) 1 (B) 2 (C) 3 (D) 4	
--	--	---	--

Q.Type : Objective Question

20	6220	In 'Flange Pipe Joint', both the hollow cylindrical pipes have a projected circular ring/flared rim on their ends, which is called _____. (1) shaft (2) crown (3) gasket (4) flange (A) 1 (B) 2 (C) 3 (D) 4	4.0
----	------	--	-----

Q.Type : Objective Question

21	6221	'Turn-Buckle' Joint is used in _____. (1) boxing rings (2) cookers (3) boilers (4) sewage pipes (A) 1 (B) 2 (C) 3 (D) 4	4.0
----	------	--	-----

Q.Type : Objective Question

22	6222	_____ is used to help in smooth running of the shaft. (1) Cotter Joint (2) Tie Rod Joint (3) Bearing (4) Stud (A) 1	4.0
----	------	---	-----

(B) 2

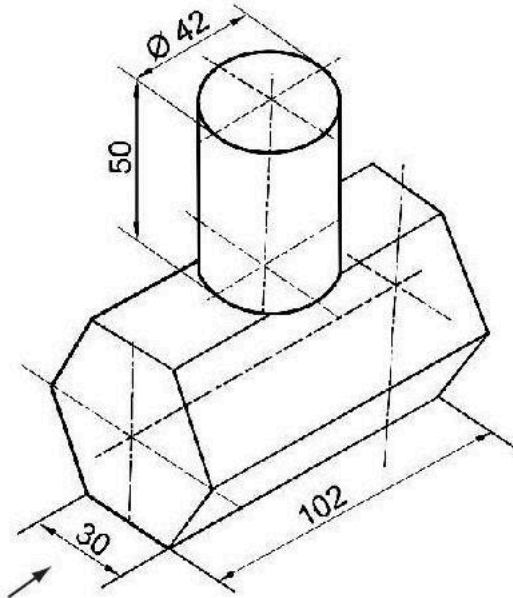
(C) 3

(D) 4

Q.Type : Objective Question

23 6223

4.0



Identify the **correct** statements for the given isometric projection.

- (A) We don't require to draw helping figures for both solids.
- (B) The axis of cylinder is perpendicular to HP and the axis of hexagonal prism is perpendicular to VP
- (C) A cylinder is resting on a rectangular face of the hexagonal prism
- (D) Cylinder is resting on a hexagonal face of the prism.
- (E) A horizontal cylinder is resting on a vertical hexagonal prism.

Choose the **correct** answer from the options given below :

- (1) (B) and (C) Only
- (2) (A) and (D) Only
- (3) (C) and (E) Only
- (4) (A) and (B) Only

(A) 1

(B) 2

(C) 3

(D) 4

Q.Type : Objective Question

24 6224

4.0

		Identify the correct statements for 'Screws'. (A) Screws are permanent fasteners. (B) Screws have external threads. (C) Screw do not have any slot for a screw driver. (D) Screws are available with circular shape of head only. (E) Grub screw is a head less screw. Choose the correct answer from the options given below : (1) (A) and (C) Only (2) (B) and (D) Only (3) (C) and (D) Only (4) (B) and (E) Only (A) 1 (B) 2 (C) 3 (D) 4	
--	--	--	--

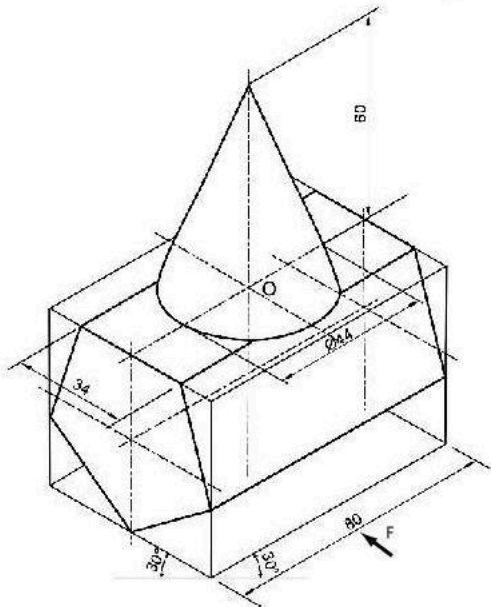
Q.Type : Objective Question

25	6225	Identify the correct statements for 'Flange Pipe Joint'. (A) A gasket is used to prevent leakage. (B) Flanges are joined together with rivets. (C) Gasket is made of mild steel. (D) Pipes are used to carry water, oil, steam or gas etc. (E) Flanges are made thinner than pipe walls for strength. Choose the correct answer from the options given below : (1) (A) and (E) Only (2) (B) and (D) Only (3) (B) and (C) Only (4) (A) and (D) Only (A) 1 (B) 2 (C) 3 (D) 4	4.0
----	------	---	-----

Q.Type : Objective Question

26	6226		4.0
----	------	--	-----

Match List - I with List - II. for the given figure on isometric projection.



List - I

- (A) Axis of cone
- (B) Axis of pentagonal prism
- (C) Pentagonal face
- (D) Circular face

List - II

- (I) Parallel to HP and perpendicular to VP.
- (II) Perpendicular to HP and parallel to VP.
- (III) Parallel to both HP & VP.
- (IV) Perpendicular to both HP & VP

Choose the **correct** answer from the options given below :

- (1) (A)-(II), (B)-(III), (C)-(I), (D)-(IV)
- (2) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- (3) (A)-(I), (B)-(III), (C)-(II), (D)-(IV)
- (4) (A)-(II), (B)-(IV), (C)-(III), (D)-(I)

(A) 1

(B) 2

(C) 3

(D) 4

Q.Type : Objective Question

27 6227

Match List - I with List - II.

List - I

Assembly

- (A) Gib and Cotter Joint
- (B) Flange Pipe Joint
- (C) Open Bearing
- (D) Turn Buckle

List - II

Number of parts used

- (I) Eleven
- (II) Two
- (III) Four
- (IV) Three

Choose the **correct** answer from the options given below :

- (1) (A)-(III), (B)-(I), (C)-(II), (D)-(IV)
- (2) (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
- (3) (A)-(I), (B)-(II), (C)-(IV), (D)-(III)
- (4) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)

(A) 1

(B) 2

4.0

(C) 3

(D) 4

Q.Type : Objective Question

28 6228

4.0

Match List - I with List - II.

List - I

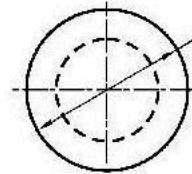
(Machine parts kept vertical)

List - II

(Corresponding top view)

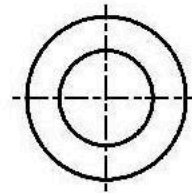
(A) Grub Screw

(I)



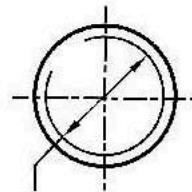
(B) Plain Stud

(II)



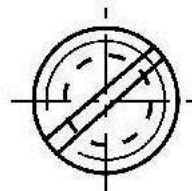
(C) Pan Head Rivet

(III)



(D) Snap Head Rivet

(IV)



Choose the **correct** answer from the options given below :

(1) (A)-(II), (B)-(I), (C)-(III), (D)-(IV)

(2) (A)-(II), (B)-(IV), (C)-(I), (D)-(III)

(3) (A)-(IV), (B)-(II), (C)-(III), (D)-(I)

(4) (A)-(IV), (B)-(III), (C)-(II), (D)-(I)

(A) 1

(B) 2

(C) 3

(D) 4