

AGLASEM.COM

CUET ENTRANCE

PREVIOUS YEAR QUESTION PAPER

OLD PAPERS • OFFICIAL QUESTION
PAPERS • YEAR 2023 • PDF
DOWNLOAD • FREE READING

2023
MAY

JUNE
2023

AGLASEM

Mock Test | Study Material | Notes

More Information:  www.aglasem.com



Q.1 The approximate height/thickness of bolt head is _____ for bolt of M40.

- (1) 40 mm
- (2) 60 mm
- (3) 32 mm
- (4) 25 mm

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **5402509429**

Option 1 ID : **54025037713**

Option 2 ID : **54025037714**

Option 3 ID : **54025037715**

Option 4 ID : **54025037716**

Status : **Answered**

Chosen Option : **1**

Q.2 In collar stud, the diameter of collar is _____ if its nominal diameter is 'd'.

- (1) ϕ 1.75 d
- (2) ϕ d
- (3) ϕ 1.5 d
- (4) ϕ 2 d

Options 1. 1

2. 2

3. 3

4. 4

Question Type : **MCQ**

Question ID : **5402509434**

Option 1 ID : **54025037733**

Option 2 ID : **54025037734**

Option 3 ID : **54025037735**

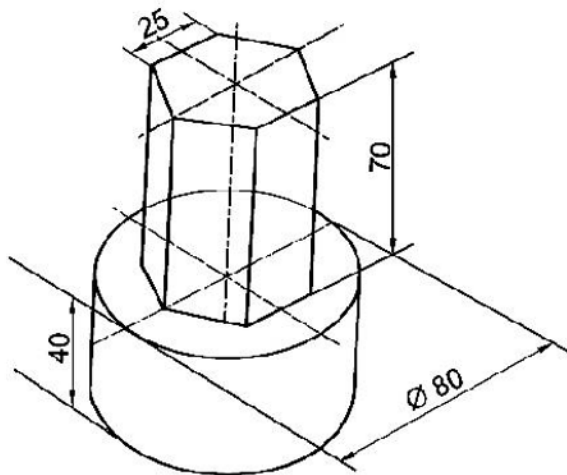
Option 4 ID : **54025037736**

Status : **Answered**

Chosen Option : **2**

aglasem.com

Q.3 Choose correct statement for the given figure :



- (A) A hexagonal pyramid is resting on a circular slab.
- (B) A circular slab is resting on a pentagonal prism.
- (C) A pentagonal prism is resting on a circular slab.
- (D) A hexagonal prism is resting on a circular slab.
- (E) The circular faces of the circular slab are parallel to HP.

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509446

Option 1 ID : 54025037781

Option 2 ID : 54025037782

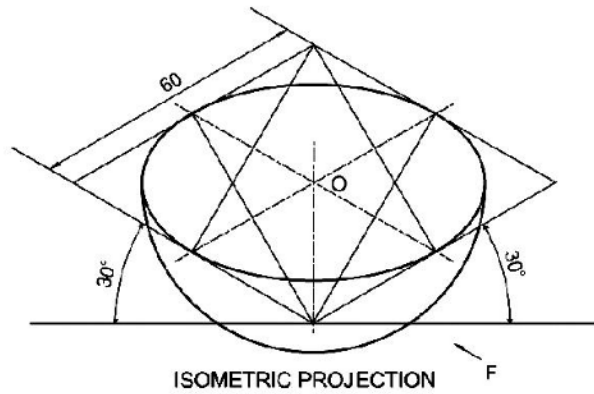
Option 3 ID : 54025037783

Option 4 ID : 54025037784

Status : Answered

Chosen Option : 1

Q.4 Choose the correct statement based on the given figure :



- (1) Hemisphere is resting on H.P. with its curved surface
- (2) Hemisphere is resting on H.P. on its circular face
- (3) Hemisphere is resting on H.P. such that its circular face is parallel to V.P.
- (4) Sphere is resting on H.P.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509422

Option 1 ID : 54025037685

Option 2 ID : 54025037686

Option 3 ID : 54025037687

Option 4 ID : 54025037688

Status : Answered

Chosen Option : 2

Q.5 The square threads are mainly used in _____.

- (1) power transmission
- (2) joining pipes
- (3) supporting shafts
- (4) rivet joints

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509428

Option 1 ID : 54025037709

Option 2 ID : 54025037710

Option 3 ID : 54025037711

Option 4 ID : 54025037712

Status : Answered

Chosen Option : 1

- Q.6** Some facts related to Turnbuckle are given below. Identify the correct statements :
- (A) Turnbuckle has Right Hand (RH) threads at one end and Left Hand (LH) threads at the other.
 - (B) Its central portion does not have any slot to aid tightening and loosening of rods by tomy bar.
 - (C) The 'turnbuckle' consists of an elongated metal tube (body) which is cylindrical in shape and has tapered ends.
 - (D) Each tapered end of the body has non-threaded holes.
 - (E) It is a permanent fastener.

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

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

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **5402509449**

Option 1 ID : **54025037793**

Option 2 ID : **54025037794**

Option 3 ID : **54025037795**

Option 4 ID : **54025037796**

Status : **Not Attempted and
Marked For Review**

Chosen Option : --

- Q.7** In isometric scale, line showing true lengths are drawn at _____ angle.

- (1) 45°
- (2) 30°
- (3) 90°
- (4) 60°

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **5402509420**

Option 1 ID : **54025037677**

Option 2 ID : **54025037678**

Option 3 ID : **54025037679**

Option 4 ID : **54025037680**

Status : **Answered**

Chosen Option : **3**

Q.8 The large head diameter of 60° CSK head rivet is _____ where rivet diameter is 'd'.

- (1) ϕ 1.5 d
- (2) ϕ 0.8 d
- (3) ϕ d
- (4) ϕ 2 d

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **5402509435**

Option 1 ID : **54025037737**

Option 2 ID : **54025037738**

Option 3 ID : **54025037739**

Option 4 ID : **54025037740**

Status : **Answered**

Chosen Option : **4**

Q.9 A continuous _____ groove cut on a surface is known as screw thread.

- (1) Conical
- (2) Helical
- (3) Square
- (4) Cylindrical

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **5402509426**

Option 1 ID : **54025037701**

Option 2 ID : **54025037702**

Option 3 ID : **54025037703**

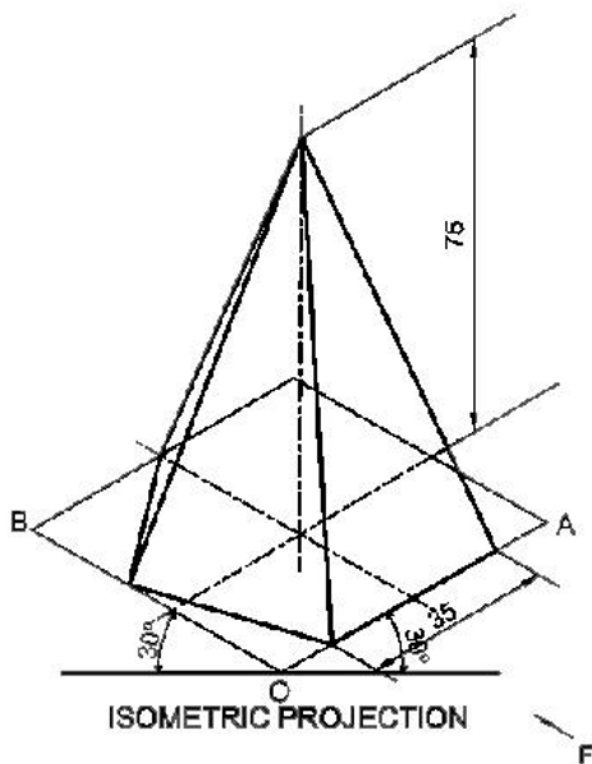
Option 4 ID : **54025037704**

Status : **Answered**

Chosen Option : **1**

aglasem.com

Q.10 Choose correct option :



- (1) A horizontal pentagonal pyramid
- (2) A horizontal pentagonal prism
- (3) A vertical pentagonal pyramid
- (4) An inverted hexagonal pyramid

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509421

Option 1 ID : 54025037681

Option 2 ID : 54025037682

Option 3 ID : 54025037683

Option 4 ID : 54025037684

Status : Answered

Chosen Option : 1

Q.11 In Bush Bearing if internal diameter of Body of Bearing is 60 mm. Then internal diameter of Bush is _____.

- (1) 60 mm
- (2) less than 60 mm
- (3) more than 60 mm
- (4) either equal or more than 60 mm

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509437

Option 1 ID : 54025037745

Option 2 ID : 54025037746

Option 3 ID : 54025037747

Option 4 ID : 54025037748

Status : Answered

Chosen Option : 3

Q.12 Rubber Gasket in Flange Pipe Joint is used _____.

- (1) to increase its width
- (2) to make it leak proof
- (3) to increase its beauty
- (4) to keep a gap between two flanges

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509442

Option 1 ID : 54025037765

Option 2 ID : 54025037766

Option 3 ID : 54025037767

Option 4 ID : 54025037768

Status : Answered

Chosen Option : 2

Q.13 Identify an inverted solid :

- (1) dice
- (2) lunch box
- (3) ice cream cone
- (4) cricket ball

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509418

Option 1 ID : 54025037669

Option 2 ID : 54025037670

Option 3 ID : 54025037671

Option 4 ID : 54025037672

Status : Answered

Chosen Option : 1

Q.14 The shape of the head of vertical Pan head rivet is _____ in its front view.

- (1) Circle
- (2) Triangle
- (3) Semicircle
- (4) Trapezium

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509436

Option 1 ID : 54025037741

Option 2 ID : 54025037742

Option 3 ID : 54025037743

Option 4 ID : 54025037744

Status : Answered

Chosen Option : 4

Q.15 Choose the **incorrect** statement about washer :

- (1) A circular plate having a threaded hole in its center.
- (2) It is placed below nut to give a flat smooth bearing surface.
- (3) It prevents nut from cutting into metal.
- (4) Outer diameter of washer is $2d + 3$, where 'd' is the nominal diameter of corresponding bolt.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509431

Option 1 ID : 54025037721

Option 2 ID : 54025037722

Option 3 ID : 54025037723

Option 4 ID : 54025037724

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.16 A circle is the isometric projection of :

- (1) Sphere
- (2) Hemisphere
- (3) Cone
- (4) Cylinder

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509419

Option 1 ID : 54025037673

Option 2 ID : 54025037674

Option 3 ID : 54025037675

Option 4 ID : 54025037676

Status : Answered

Chosen Option : 4

Q.17 In trimetric projection, _____ between principal axes.

- (1) all the angles are equal
- (2) only two angles are equal
- (3) all angles are unequal and not less than 90°
- (4) all angles are unequal, but two angles are less than 90°

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509417

Option 1 ID : 54025037665

Option 2 ID : 54025037666

Option 3 ID : 54025037667

Option 4 ID : 54025037668

Status : Answered

Chosen Option : 1

Q.18 Match List - I with List - II.

List - I

- (A) Rivet
- (B) Stud
- (C) Nut
- (D) Bolt

List - II

- (I) used with a bolt on threaded side
- (II) a threaded cylindrical rod with head on one end
- (III) used, where there is no place for bolt head
- (IV) non-threaded cylindrical rod

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

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

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **5402509453**

Option 1 ID : **54025037809**

Option 2 ID : **54025037810**

Option 3 ID : **54025037811**

Option 4 ID : **54025037812**

Status : **Not Attempted and
Marked For Review**

Chosen Option : --

Q.19 Number of cotter (s) in Sleeve and Cotter Joint _____.

- (1) Zero
- (2) One
- (3) Two
- (4) Three

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : **MCQ**

Question ID : **5402509440**

Option 1 ID : **54025037757**

Option 2 ID : **54025037758**

Option 3 ID : **54025037759**

Option 4 ID : **54025037760**

Status : **Answered**

Chosen Option : **2**

Q.20 Match List - I with List - II.

List - I

- (A) Open Bearing
- (B) Bush Bearing
- (C) Counter sunk hole
- (D) Elongated holes for bolts in the sole plate

List - II

- (I) to pour the lubricant which helps to reduce friction
- (II) Useful for linear shaft at slow speed
- (III) To facilitate any misalignment
- (IV) Useful for higher loads at medium speed

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509454

Option 1 ID : 54025037813

Option 2 ID : 54025037814

Option 3 ID : 54025037815

Option 4 ID : 54025037816

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.21 Match List - I with List - II.

List - I

- (A) Flange
- (B) Gasket
- (C) Cotter
- (D) Bush

List - II

- (I) Gun Metal
- (II) Cast Iron
- (III) Indian Rubber
- (IV) Mild steel

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509455

Option 1 ID : 54025037817

Option 2 ID : 54025037818

Option 3 ID : 54025037819

Option 4 ID : 54025037820

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.22 Match List - I with List - II.

List - I

(Types of Line)

- (A) Continuous thick line
- (B) Continuous thin line
- (C) Dashed thick line
- (D) Continuous thin free hand line

List - II

(Application)

- (I) Hidden line
- (II) Visible edges
- (III) Irregular boundary line
- (IV) Dimension line

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509450

Option 1 ID : 54025037797

Option 2 ID : 54025037798

Option 3 ID : 54025037799

Option 4 ID : 54025037800

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.23 Tie-Rod Joint is **not used** in _____.

- (1) Wires of electric poles
- (2) Boxing Rings
- (3) A sail boat's standing
- (4) Tractor

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509443

Option 1 ID : 54025037769

Option 2 ID : 54025037770

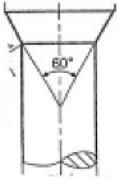
Option 3 ID : 54025037771

Option 4 ID : 54025037772

Status : Answered

Chosen Option : 1

Q.24 Choose correct statements for the following figure.



- (A) Figure shows a flat head Rivet.
- (B) Rivets are used in bridges, boilers and other engineering works.
- (C) Rivets are temporary fasteners.
- (D) The diameter of larger circle of head is $2d$ (d is diameter of Rivet) in its top view
- (E) Rivets are permanent fasteners.

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509448

Option 1 ID : 54025037789

Option 2 ID : 54025037790

Option 3 ID : 54025037791

Option 4 ID : 54025037792

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.25 The cutting plane line is denoted by :

- (1) One thick and one dotted
- (2) Long chain thin line dotted at ends
- (3) Long chain thin line at ends
- (4) Long chain thin line but thick at ends

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509416

Option 1 ID : 54025037661

Option 2 ID : 54025037662

Option 3 ID : 54025037663

Option 4 ID : 54025037664

Status : Answered

Chosen Option : 3

Q.26 A triangular thread that has the angle between the flanks is 55° and is rounded equally at crests and roots by arcs blending tangentially with the flanks is :

- (1) Metric Thread
- (2) Knuckle Thread
- (3) Square Thread
- (4) B.S.W. Thread

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509427

Option 1 ID : 54025037705

Option 2 ID : 54025037706

Option 3 ID : 54025037707

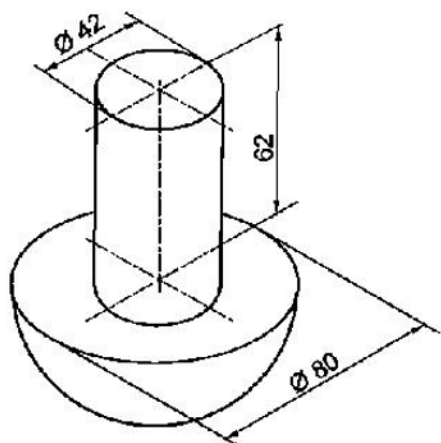
Option 4 ID : 54025037708

Status : Answered

Chosen Option : 1

aglasem.com

Q.27 Match List - I with List - II.



List - I
(Details)

- (A) Solid at Bottom
- (B) Solid on Top
- (C) Number of flat circular surfaces
- (D) Number of curved surfaces

List - II
(Position)

- (I) Three
- (II) Two
- (III) Hemisphere
- (IV) Cylinder

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509451

Option 1 ID : 54025037801

Option 2 ID : 54025037802

Option 3 ID : 54025037803

Option 4 ID : 54025037804

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.28 Diameter of Chamfer circle is _____, in square nut, where 'd' is the nominal diameter of corresponding bolt.

- (1) 2 d
- (2) 1.5 d
- (3) d
- (4) 0.8 d

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 5402509430

Option 1 ID : 54025037717

Option 2 ID : 54025037718

Option 3 ID : 54025037719

Option 4 ID : 54025037720

Status : Answered

Chosen Option : 1

Q.29 In 'Gib and Cotter Joint' thickness of gib is _____ that of cotter.

- (1) double of
- (2) half of
- (3) same as
- (4) triple of

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 5402509441

Option 1 ID : 54025037761

Option 2 ID : 54025037762

Option 3 ID : 54025037763

Option 4 ID : 54025037764

Status : Answered

Chosen Option : 1

Q.30 One end of the plain stud is known as _____ and other end is _____.

- (1) Metal end, Nut end
- (2) Rubber end, Bolt end
- (3) Steel end, Rivet end
- (4) Glass end, Washer end

Options

- 1. 1
- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 5402509433

Option 1 ID : 54025037729

Option 2 ID : 54025037730

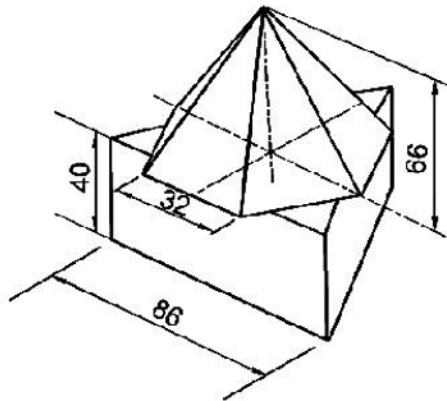
Option 3 ID : 54025037731

Option 4 ID : 54025037732

Status : Answered

Chosen Option : 3

Q.31 Choose the correct statement :



- (1) A pentagonal pyramid is resting on a triangular slab.
- (2) A hexagonal prism is resting on a triangular slab.
- (3) A pentagonal prism is resting on a triangular pyramid.
- (4) A hexagonal pyramid is resting on a triangular slab.

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509423

Option 1 ID : 54025037689

Option 2 ID : 54025037690

Option 3 ID : 54025037691

Option 4 ID : 54025037692

Status : Answered

Chosen Option : 4

Q.32 A joint in which cotter is used to lock two rods together.

- (1) Riveted Joint
- (2) Rod Joints
- (3) Tie-Rod Joint
- (4) Flange Pipe Joint

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509439

Option 1 ID : 54025037753

Option 2 ID : 54025037754

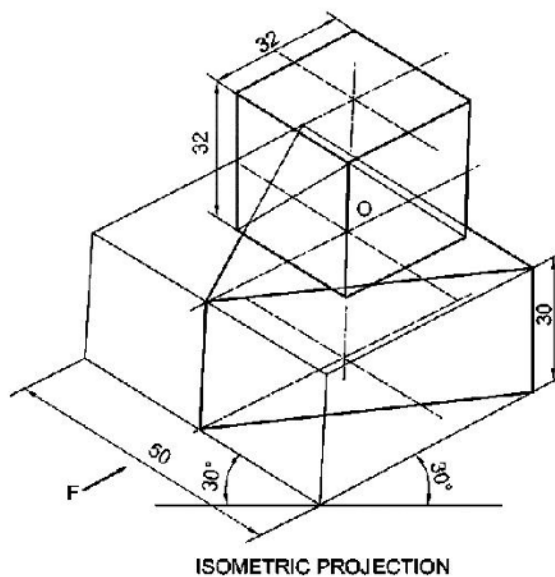
Option 3 ID : 54025037755

Option 4 ID : 54025037756

Status : Answered

Chosen Option : 3

Q.33 Number of squares that are seen as rhombuses, in figure are _____.



- (1) 4
- (2) 9
- (3) 11
- (4) 6

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509425

Option 1 ID : 54025037697

Option 2 ID : 54025037698

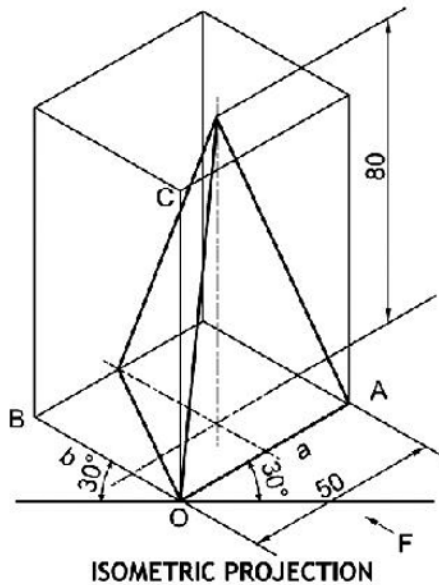
Option 3 ID : 54025037699

Option 4 ID : 54025037700

Status : Answered

Chosen Option : 4

Q.34 Choose correct statement ; according to the given figure :



- (A) A pentagonal pyramid is resting on its apex.
- (B) A triangular pyramid is resting on its base.
- (C) Axis of pyramid is perpendicular to VP.
- (D) Axis of pyramid is perpendicular to HP.
- (E) One of its base edges is perpendicular to VP.

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509445

Option 1 ID : 54025037777

Option 2 ID : 54025037778

Option 3 ID : 54025037779

Option 4 ID : 54025037780

Status : Answered

Chosen Option : 2

Q.35 Choose the correct statements for BSW thread.

- (A) BSW thread is the mostly used form in British Practice.
- (B) BSW thread has square cross-section profile.
- (C) Full form of BSW is Britain Screw whitworth.
- (D) The angle between flanks of BSW thread is 55° .
- (E) The angle between flanks of BSW thread is 60° .

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509447

Option 1 ID : 54025037785

Option 2 ID : 54025037786

Option 3 ID : 54025037787

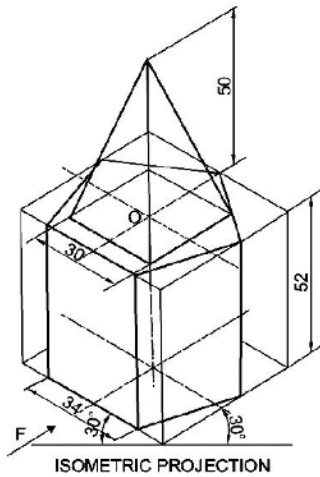
Option 4 ID : 54025037788

Status : Not Attempted and
Marked For Review

Chosen Option : --

aglasem.com

Q.36 In the isometric projection, as shown in figure, the isometric length (approximately) of the common axis is :



- (1) 102
- (2) 40.8
- (3) 52
- (4) 81.6

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509424

Option 1 ID : 54025037693

Option 2 ID : 54025037694

Option 3 ID : 54025037695

Option 4 ID : 54025037696

Status : Answered

Chosen Option : 3

Q.37 In conventional representation of internal V-thread, the side view shows a thin broken circle representing the _____.

- (1) Flank
- (2) Root
- (3) Crest
- (4) Lead

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509432

Option 1 ID : 54025037725

Option 2 ID : 54025037726

Option 3 ID : 54025037727

Option 4 ID : 54025037728

Status : Answered

Chosen Option : 1

Q.38 Match List - I with List - II.

- | List - I | List - II |
|-----------------------|---|
| (A) M20 $\times$ 1.5 | (I) diameter of pipe is 60 mm |
| (B) SQ20 $\times$ 1.5 | (II) nominal diameter of metric thread is 20 mm and pitch is 1.5 mm |
| (C) SQ40 | (III) square thread of nominal diameter = 20 mm and pitch = 1.5 mm |
| (D) ϕ 60 mm | (IV) side of a square is 40 mm |

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509452

Option 1 ID : 54025037805

Option 2 ID : 54025037806

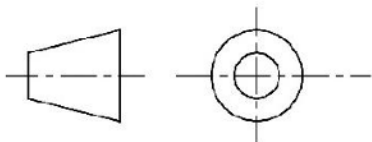
Option 3 ID : 54025037807

Option 4 ID : 54025037808

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.39 This projection symbol states the following : Identify the correct statements.



- (A) Top view is placed above front view
- (B) The object is placed in between the observer and projection plane
- (C) The object is assumed to be in IIIrd quadrant
- (D) The object is assumed to be in Ist quadrant
- (E) Left hand side view is drawn on left hand side of front view

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

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509444

Option 1 ID : 54025037773

Option 2 ID : 54025037774

Option 3 ID : 54025037775

Option 4 ID : 54025037776

Status : Answered

Chosen Option : 1

Q.40 The Open Bearing comes under the _____ category.

- (1) Thrust Bearing
- (2) Pivot Bearing
- (3) Ball Bearing
- (4) Journal Bearing

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509438

Option 1 ID : 54025037749

Option 2 ID : 54025037750

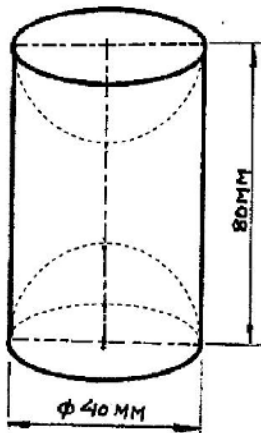
Option 3 ID : 54025037751

Option 4 ID : 54025037752

Status : Answered

Chosen Option : 3

Q.41 Read the following passage and answer the given question.



Soham is building a structure resembling sand hour glass of base diameter 40 mm and 80 mm high. He designed this on a CAD software and then for better understanding he made it with industrial clay as shown in the figure. He made the cylindrical part correctly but instead of a conical flask he made hemispherical flasks for sand.

Understand the figure and answer the given question.

If we draw isometric projection of this structure, then Radius of the hemispherical flask in the its isometric projection will be seen as :

- (1) 40 mm
- (2) 60 mm
- (3) 80 mm
- (4) 16 mm

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509456

Option 1 ID : 54025037821

Option 2 ID : 54025037822

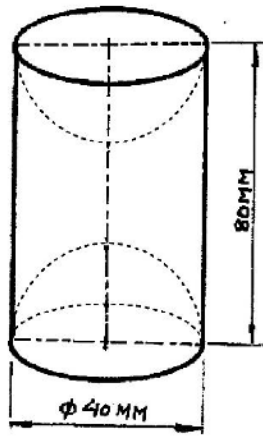
Option 3 ID : 54025037823

Option 4 ID : 54025037824

Status : Answered

Chosen Option : 1

Q.42 Read the following passage and answer the given question.



Soham is building a structure resembling sand hour glass of base diameter 40 mm and 80 mm high. He designed this on a CAD software and then for better understanding he made it with industrial clay as shown in the figure. He made the cylindrical part correctly but instead of a conical flask he made hemispherical flasks for sand. Understand the figure and answer the given question.

The symbol ϕ represents :

- (1) diameter of cylinder
- (2) radius of cylinder
- (3) depth of the cylinder
- (4) dome shape

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509457

Option 1 ID : 54025037825

Option 2 ID : 54025037826

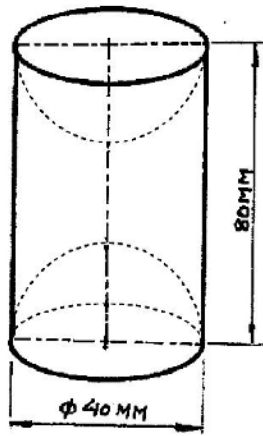
Option 3 ID : 54025037827

Option 4 ID : 54025037828

Status : Answered

Chosen Option : 1

Q.43 Read the following passage and answer the given question.



Soham is building a structure resembling sand hour glass of base diameter 40 mm and 80 mm high. He designed this on a CAD software and then for better understanding he made it with industrial clay as shown in the figure. He made the cylindrical part correctly but instead of a conical flask he made hemispherical flasks for sand. Understand the figure and answer the given question.

The true height of the above structure is _____ percent larger than its height in isometric projection.

- (1) 10%
- (2) 15%
- (3) 37.5%
- (4) 22.5%

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509458

Option 1 ID : 54025037829

Option 2 ID : 54025037830

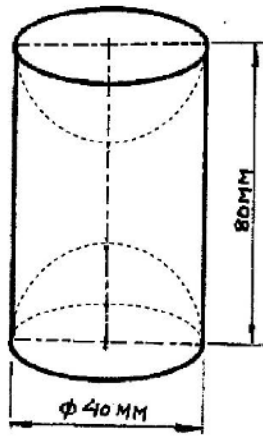
Option 3 ID : 54025037831

Option 4 ID : 54025037832

Status : Answered

Chosen Option : 1

Q.44 Read the following passage and answer the given question.



Soham is building a structure resembling sand hour glass of base diameter 40 mm and 80 mm high. He designed this on a CAD software and then for better understanding he made it with industrial clay as shown in the figure. He made the cylindrical part correctly but instead of a conical flask he made hemispherical flasks for sand. Understand the figure and answer the given question.

To draw isometric projection of the above structure, Soham needs :

- (1) True scale
- (2) Isometric scale
- (3) Enlarged scale
- (4) Vernier scale

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509459

Option 1 ID : 54025037833

Option 2 ID : 54025037834

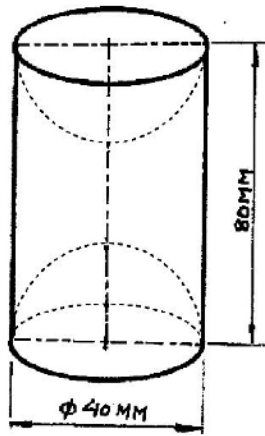
Option 3 ID : 54025037835

Option 4 ID : 54025037836

Status : Answered

Chosen Option : 1

Q.45 Read the following passage and answer the given question.



Soham is building a structure resembling sand hour glass of base diameter 40 mm and 80 mm high. He designed this on a CAD software and then for better understanding he made it with industrial clay as shown in the figure. He made the cylindrical part correctly but instead of a conical flask he made hemispherical flasks for sand. Understand the figure and answer the given question.

CAD stands for :

- (1) Computing And Designing
- (2) Computer And Designing
- (3) Computer Aided Designing
- (4) Circle Area Designing

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509460

Option 1 ID : 54025037837

Option 2 ID : 54025037838

Option 3 ID : 54025037839

Option 4 ID : 54025037840

Status : Answered

Chosen Option : 4

admission.aglasem.com



Identify the figure :

- Options 1. 1

4. 4

Chosen Option : 4

admission.aglasem.com



The material not used for making Bush is :

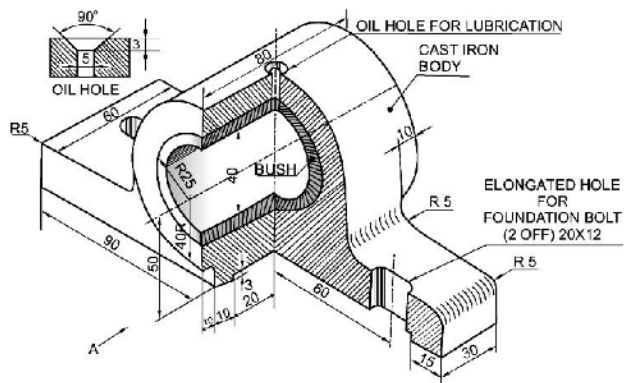
- (1) Steel
- (2) Brass
- (3) Gun metal
- (4) Bronze

2. 2
3. 3
4. 4

Question ID : 5402509462
Option 1 ID : 54025037845
Option 2 ID : 54025037846
Option 3 ID : 54025037847
Option 4 ID : 54025037848

Chosen Option : 3

Q.48 Read the following passage and answer the given question.



An Engineering Graphics teacher took his students to a 3D modelling firm where prototypes are designed and printed (3D). There he showed and explained different types of bearings with the help of 3D printed prototypes. One such bearing is shown in the image given.

The purpose of padding of the sole plate is :

- (1) For making it leak proof
- (2) For increasing stability of sole on the resting surface
- (3) To pour lubricant
- (4) To fix nut and bolt

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 5402509463

Option 1 ID : 54025037849

Option 2 ID : 54025037850

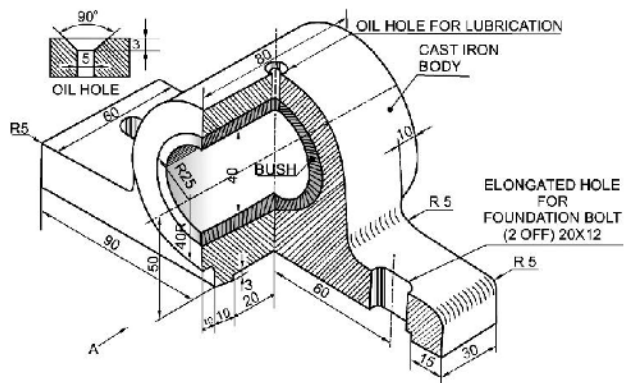
Option 3 ID : 54025037851

Option 4 ID : 54025037852

Status : **Answered**

Chosen Option : 4

Q.49 Read the following passage and answer the given question.



An Engineering Graphics teacher took his students to a 3D modelling firm where prototypes are designed and printed (3D). There he showed and explained different types of bearings with the help of 3D printed prototypes. One such bearing is shown in the image given.

The total height of Bearing (in mm) is :

- (1) 90
- (2) 72
- (3) 102
- (4) 130

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509464

Option 1 ID : 54025037853

Option 2 ID : 54025037854

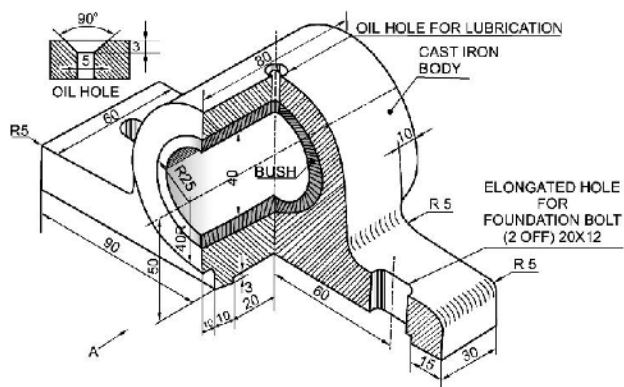
Option 3 ID : 54025037855

Option 4 ID : 54025037856

Status : Answered

Chosen Option : 1

Q.50 Read the following passage and answer the given question.



An Engineering Graphics teacher took his students to a 3D modelling firm where prototypes are designed and printed (3D). There he showed and explained different types of bearings with the help of 3D printed prototypes. One such bearing is shown in the image given.

If you want to pack this model of Bearing in a wooden Box (of same scale). What would be minimum size of box needed (All dimensions are in mm) ?

- (1) $180 \times 60 \times 50$
- (2) $180 \times 60 \times 80$
- (3) $180 \times 80 \times 90$
- (4) $180 \times 80 \times 83$

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 5402509465

Option 1 ID : 54025037857

Option 2 ID : 54025037858

Option 3 ID : 54025037859

Option 4 ID : 54025037860

Status : Answered

Chosen Option : 3