

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. $(6 \times 5 = 30)$

- Q.11 What do you understand by cutting plane line. Where it is used?
- Q.12 Write in free hand vertical lettering "ENGINEERING GRAPHICS" taking size 30mm in 7:4.
- Q.13 Explain the difference between isometric projection and isometric view.
- Q.14 What is the difference between First angle and third angle projection.
- Q.15 What is the difference between full section and half section view.
- Q.16 Draw various conventions for drawing various lines engineering graphics.
- Q.17 Draw the plan elevation of line 40mm long, which is parallel to H.P. 25mm above it and inclined to V.P. at 30 degrees. The left end is 15mm in front of it.
- Q.18 Discuss the type of rivets.

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions. $(1 \times 10 = 10)$

- Q.19 On the top of a cube 30mm edge, rests a pyramid height 30mm and side of base 20mm. The axes of solids are in same straight line. Draw the isometric view of the solid.
- Q.20 Draw three views of hexagonal headed bolt with hexagonal nut and washer assembly diameter of bolt, $d=24\text{mm}$.

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DVOC (Level 4)

**2nd Sem. / Trade: Graphics and Multimedia
Subject : Engineering Graphics**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions. $(10 \times 1 = 10)$

- Q.1 A hidden object is shown by _____ lines.
- Q.2 The length of arrow head is _____ times the thickness of line.
- Q.3 Section lines are drawn at an angle of _____.
- Q.4 When the ratio of drawing and object is less than 1:1 the scale is _____ scale.
- Q.5 Front view of an object is shown in _____ plane.
- Q.6 The plane which is at right angle to two principal planes is _____.
- Q.7 One angle between any two adjacent axis of isometric view is _____.
- Q.8 Front view lies above H.P. in _____ quadrant.
- Q.9 In second quadrant front view and top view _____ each other.
- Q.10 In isometric view horizontal lines are drawn at an angle of _____.

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