

No. of Printed Pages : 4 181734/171734/121734
Roll No. /031734/030133

3rd Sem / Agri, Mech, Prod, T&D, CNC, CAD/CAM, GE , Metallurgy , Pack. Tech, Print Making Tech., Mech (Ad. Manu. Tech.), Mech Engg (Fabrication Tech)

Subject:- Mechanical Engineering Drawing / M / C Drg.

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Very short answer type questions. Attempt any ten questions out of Twelve questions. (10x2=20)

- Q.1 Define allowance. (CO1)

Q.2 Define interference fit. (CO1)

Q.3 What do you understand by hole basis system? (CO1)

Q.4 Define bilateral limit. (CO1)

Q.5 What are types of fit? (CO1)

Q.6 Write the function of universal coupling. (CO2)

Q.7 Name different parts of Oldham's coupling. (CO2)

Q.8 Write the application of roller bearings. (CO2)

Q.9 What is material of pulley? (CO2)

Q.10 Write the advantages of plastic pipes. (CO2)

Q.11 Define addendum. (CO8)

Q.12 Write the function of drilling jig. (CO3)

SECTION-B

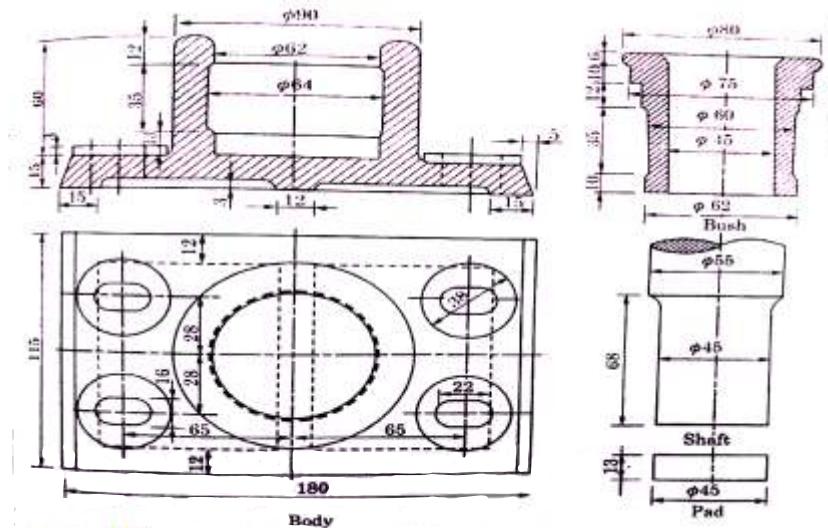
Note: Long answer type questions. Attempt any four questions out of five questions. (20x4=80)

- Q.13 Draw the free hand sketch of different types of pulleys. (CO2)

Q.14 Draw the profile of an involute teeth for a gear having 36 teeth and module 12mm. The pressure angle may be assumed as 20 degree. (CO8)

Q.15 Figure below shows the details drawing of foot step bearing. Draw the following views after assembly in first angle projection: (CO2)

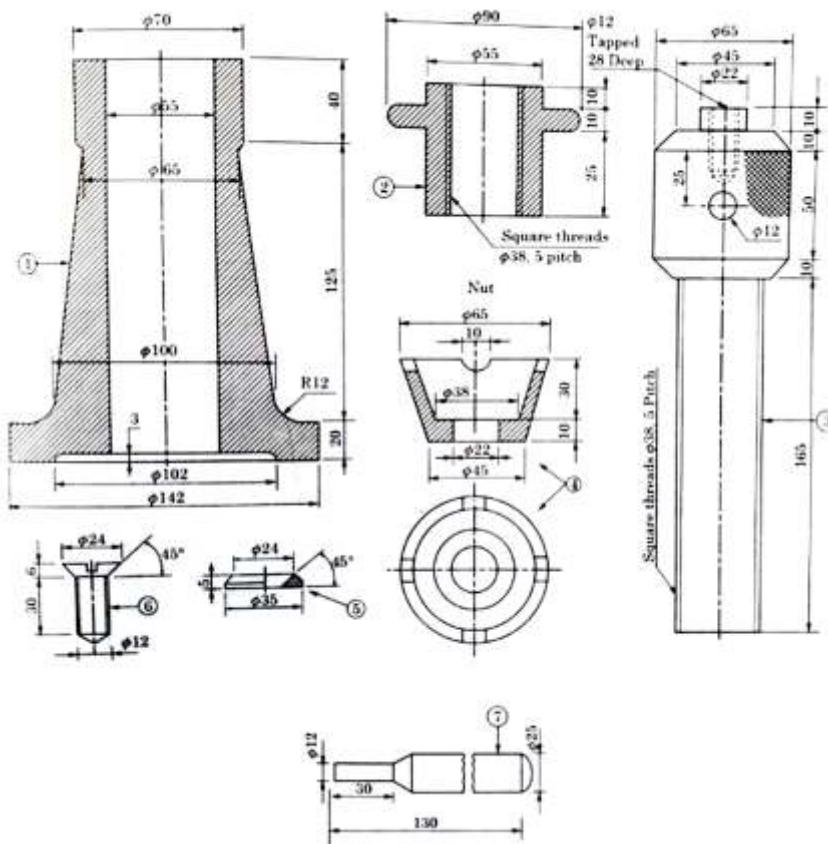
 - a) Front elevation - Full in section
 - b) Sectional top view.



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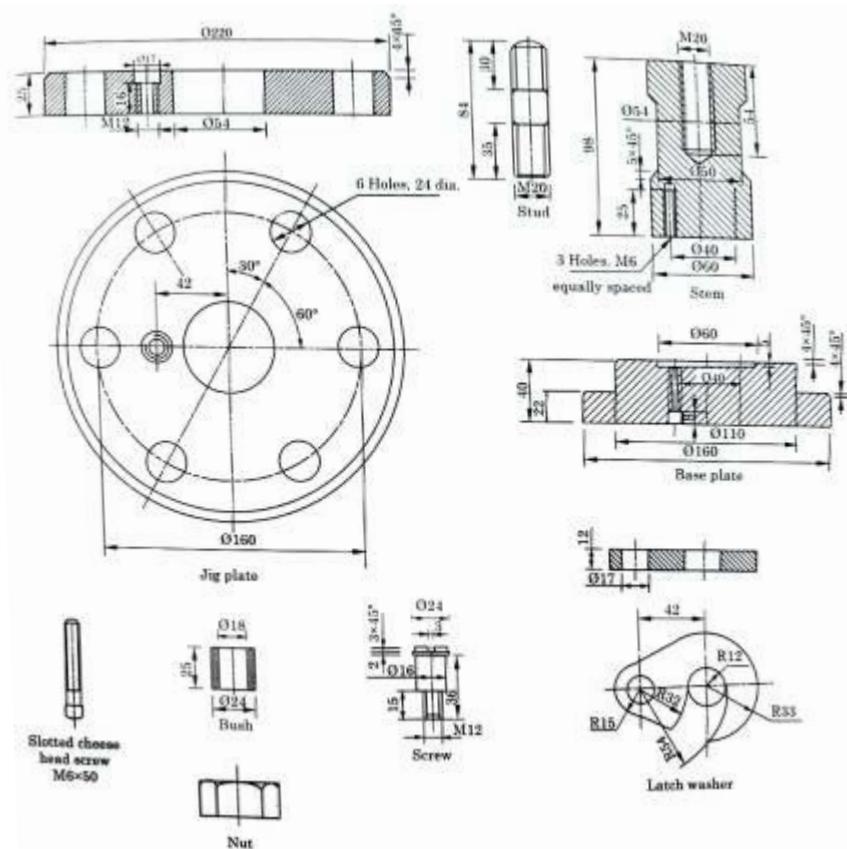
Q.16 Figure shows the details drawing of screw jack. Draw the following views after assembly in first angle projection:
 (CO7)

- a) Sectional front view,
- b) Top view



Q.17 Figure shows the details drawing of different parts of drilling jig. Draw the following views after assembly:
 (CO3)

- a) Front view - Full in section,
- b) Top view.



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