

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.) MechEngg/Fabrication Tech.)

Subject : Mechanical Engineering Drawing M/C Drg.

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Very short Answer type Questions. Attempt any 10 parts out of twelve parts. (10x2=20)

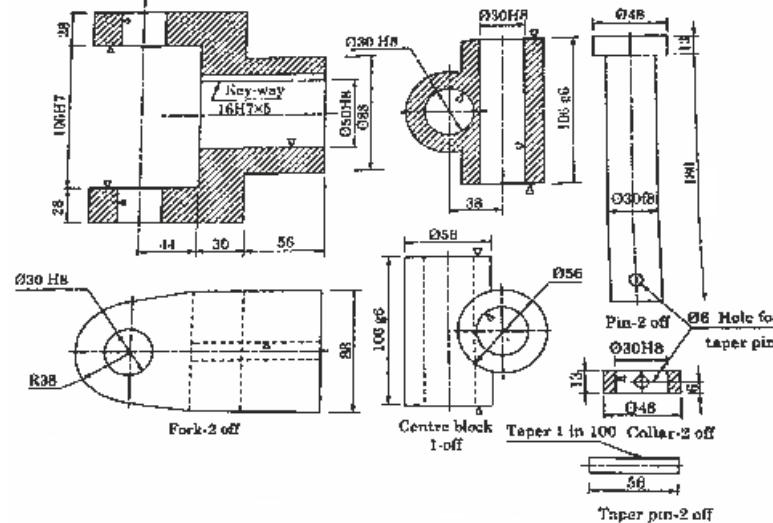
- Q.1 a) What is limit system? (CO-1)  
b) Define zero line. (CO-1)  
c) Name type of fits? (CO-1)  
d) Define clearance. (CO-1)  
e) Universal coupling is also known as \_\_\_\_\_. (CO-3)  
f) Classify journal bearings. (CO-2)  
g) What is a pipe? (CO-2)  
h) What is the function of G.I. pipes. (CO-2)  
i) What is the material of jig plate? (CO-5)  
j) What is a machine vice. (CO-4)  
k) Define module in gears? (CO-6)  
l) What is spur gear? (CO-6)

### SECTION-B

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

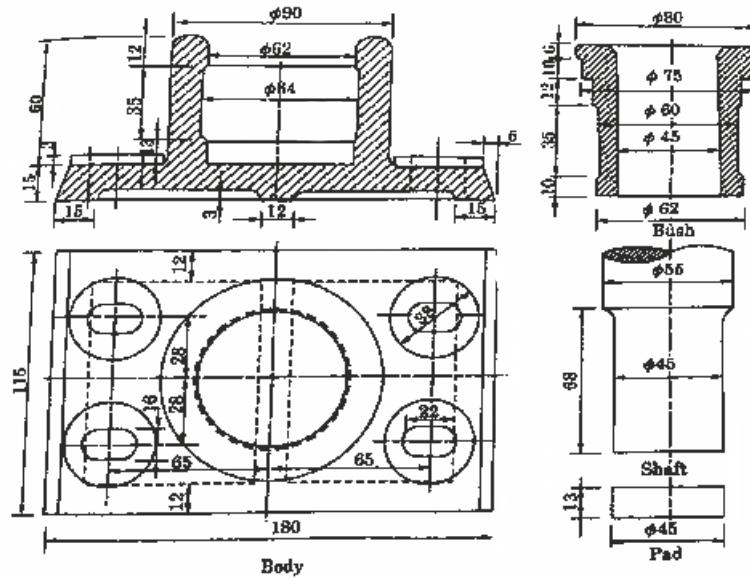
- Q.2 Draw the sectional front view and side view of an Universal Coupling as shown in fig which joins two 50 mm diameter shafts. (CO3)

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- Q.3 Draw the following views after assembly of footstep bearing as shown in figure below. (CO-2)

- a) Front view      b) Top view

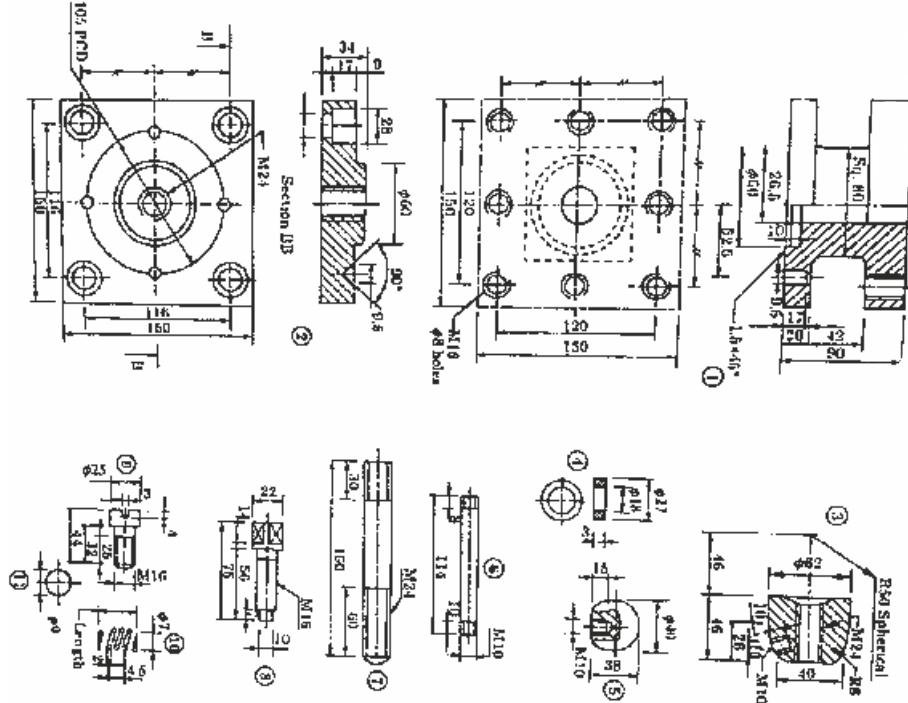


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Q.4 Fig. Given below shows the detail of a Lathe Tool Holder. Assemble the parts and draw the following views in first angle projections methods.  
(CO-2)

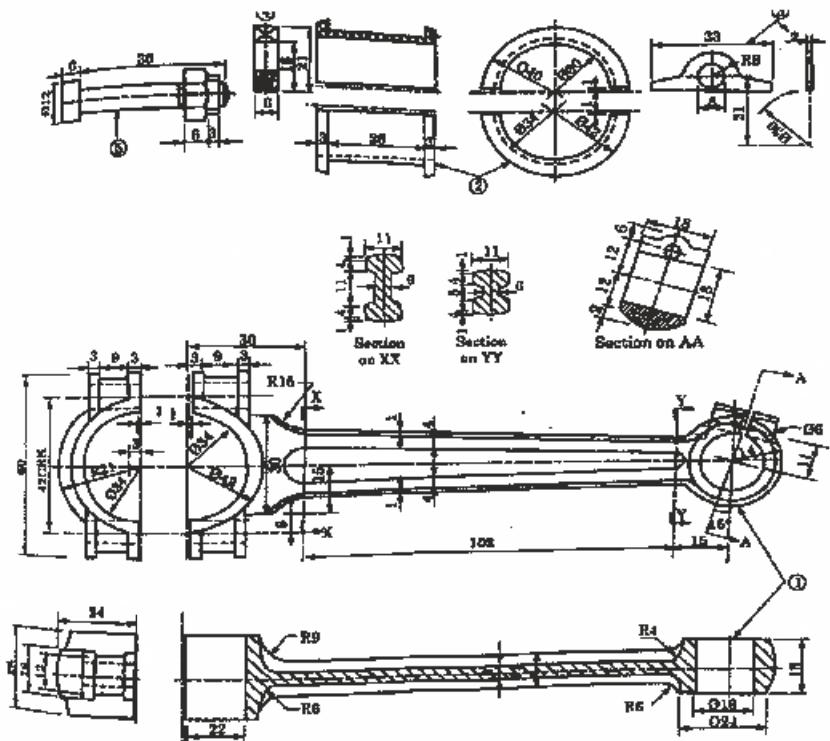
a) Front view

b) Top view



Q.5 Draw the following views of petrol engine connecting rod:  
(CO-5)

- Sectional front elevation
- Top view



Q.6 Give the complete nomenclature of gear with neat diagram.  
(CO-6)

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