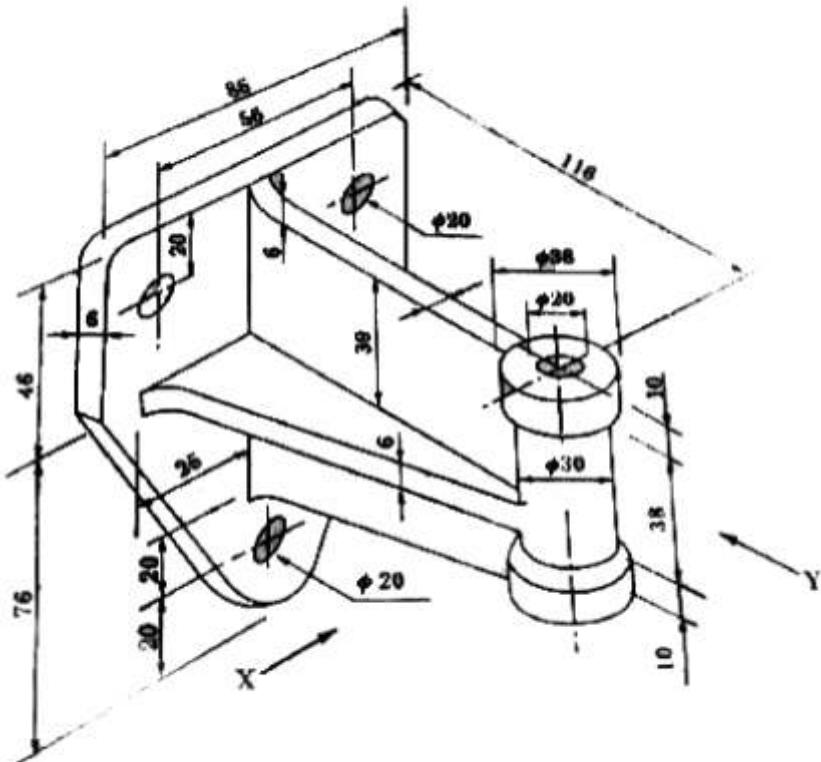


**Q.17** Fig.3 show the Pictorial view of a wall bracket. Study the drawing carefully and draw the following views. (Assume any missing dimension)

- i) Front Elevation looking from-X
  - ii) Side view looking from-Y



**Figure 3. Wall Bracket**

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Roll No. ....

## **3rd. Sem / Mech. Engg. (MSIL) Subject:- Machine Drawing**

Time : 3Hrs

## **SECTION-A**

M.M. : 100

**Note:** Very short answer type questions. All questions are compulsory (10x2=20)

- Q.1 Define deviation.
  - Q.2 Define shaft basis system.
  - Q.3 Differentiate between clearance & transition fit.
  - Q.4 Write any one application of universal coupling.
  - Q.5 What is the function of wall bracket?
  - Q.6 Name different types of pulleys.
  - Q.7 Draw the symbol of float valve.
  - Q.8 What is the material of base plate of tool holder in lathe machine?
  - Q.9 Define pressure angle or angle obliquity.
  - Q.10 Write the function of connecting rod in I.C. engine.
  - Q.11 What is the material of a tommy bar?
  - Q.12 Define Diametral pitch.

## **SECTION-B**

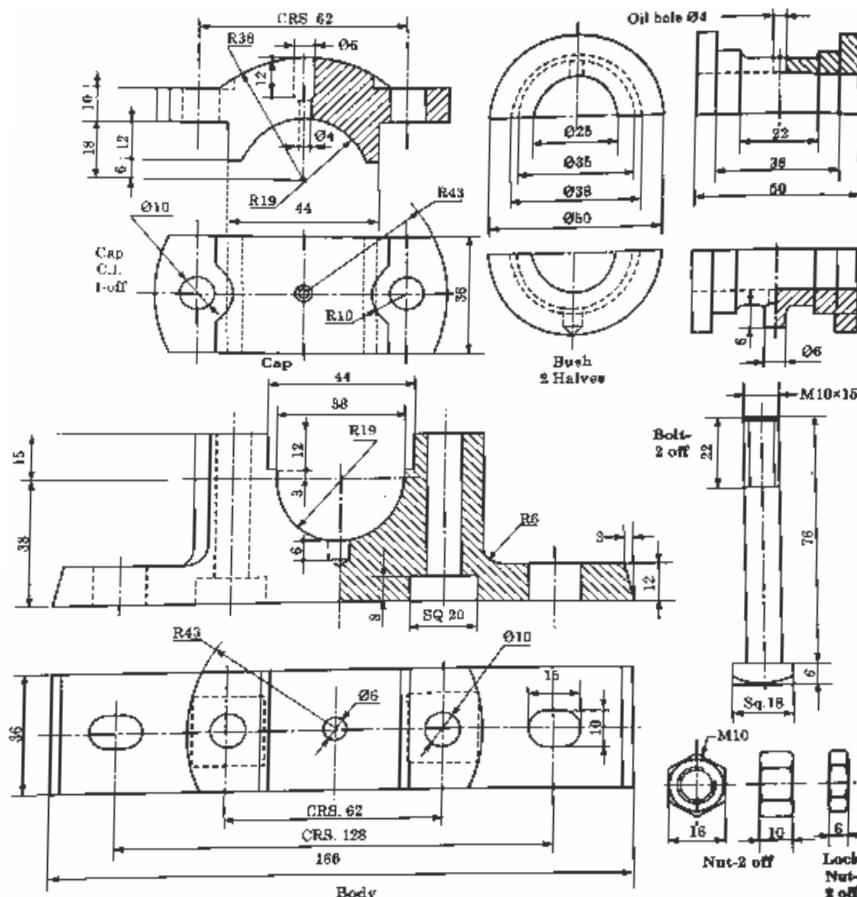
**Note:** Long answer type questions. Attempt any four questions out of five questions. (20x4=80)

- Q.13 Define term fit and explain in detail different types of fits with neat sketches.

Q.14 Draw the free hand proportioned sketch of a Machine vice by showing their different parts.

**Q.15** Fig.1 show the details drawing of a Plummer block. Assemble together all parts and draw the following views. (Assume any missing dimension)

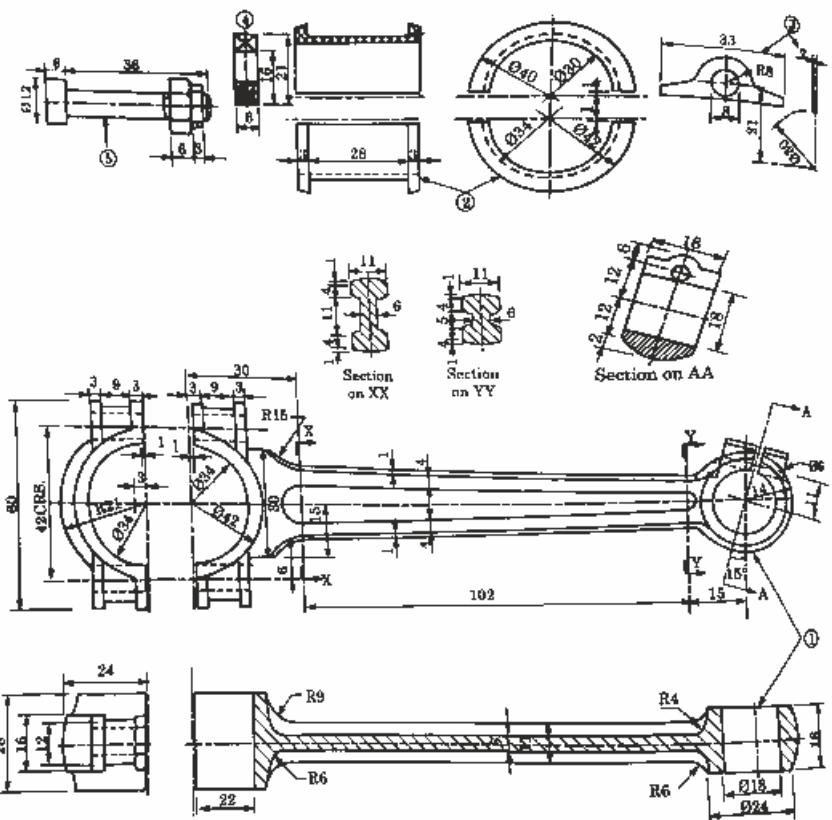
i) Sectional Front view ii) Plan



**Fig. 3.11 : Details of Plummer Block**

Q.16 Fig.2 show the details drawing of a connecting rod. Assemble together all parts and draw the following views in third angle projection method. (Assume any missing dimension)

i) Sectional Elevation ii) Plan



**Fig. 10.3 : Details of Connecting Rod**

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