

No. of Printed Pages : 4

Roll No.

MSIL121734/031734

3rd Sem. / Mech. Engg. (MSIL)

Subject : Machine Drawing

Time : 3 Hrs.

M.M. : 100

SECTION-A

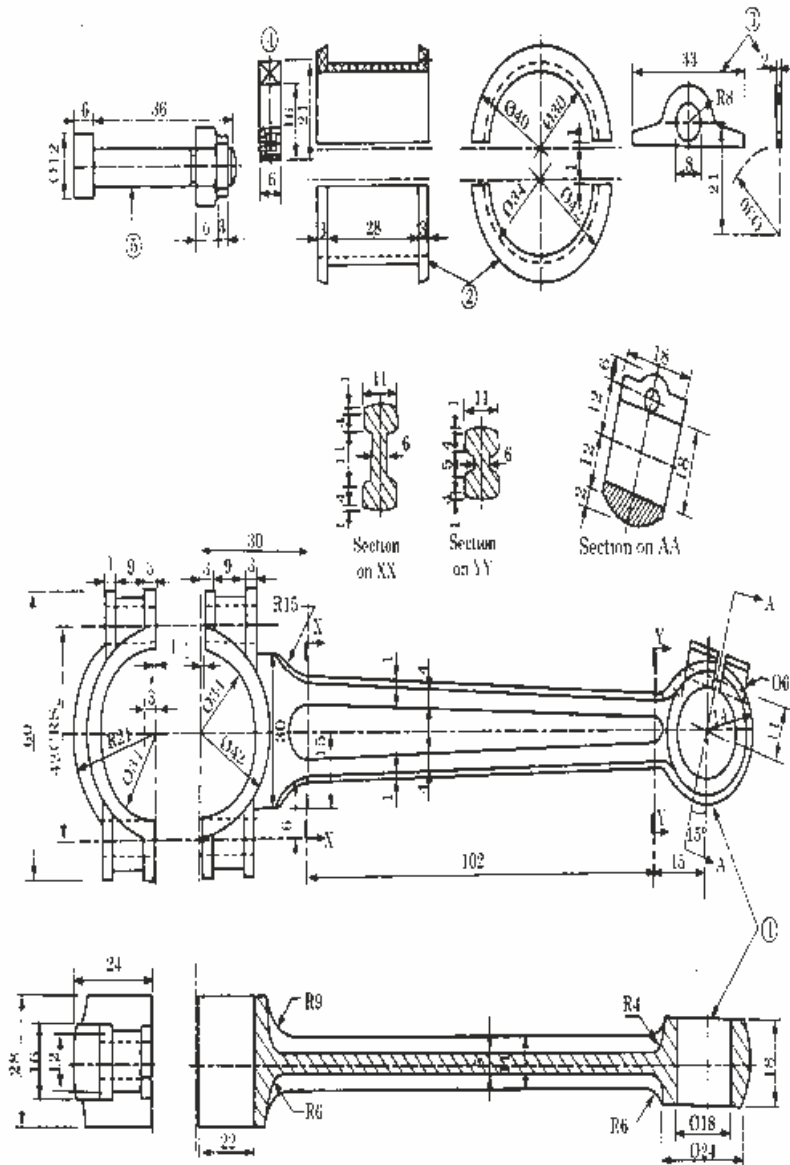
Note: Very Short Answer type questions. Attempt any
10 parts out of twelve parts. (10x2=20)

- Q.1
- i) Define standardization.
 - ii) Define clearance.
 - iii) Define interference fit.
 - iv) Describe hydraulic joint.
 - v) Define hatching.
 - vi) What is function of a drilling jig?
 - vii) Enlist the main parts of a machine vice.
 - viii) Name different parts of universal coupling.
 - ix) What is function of a piston?
 - x) Describe connecting rod.

(20)

(4) MSIL121734/031734

(1) MSIL121734/031734



-

Q.6 Figure No. 2 shows the detail of a connecting rod of an I.C. engine. Assemble the parts and draw the following views. Also give the bill of material.

- Front view full in section
- Left side view.

$$4 \times 20 = 80$$

- Q.2 Sketch free hand, proportional sketch of universal coupling.
- Q.3 Sketch free hand any two view of flanged pipe joint protected type. Front view is compulsory.
- Q.4 Sketch free hand two views of bush Bearing.
- Q.5 Fig. No. 1 given below shows the detail of a a screw jack. Draw the following views first angle projections method:
- i) Sectional front view
 - ii) Front view
 - iii) Top view