

Roll no. _____

ID: 181734/171734/121734/031734/030133
Semester: 3rd

Branch: Agri, Mech, Prod, T&D, CNC, CAD/CAM, GE, Metallurgy, Pack. Tech, Print Making Tech., Mech (Ad. Manu. Tech.), Mech Engg(Fabrication Tech)
Subject Name: Mechanical Engineering Drawing / M/c Drg.

Time Allowed : 3 Hrs.

MM:100

Section -A

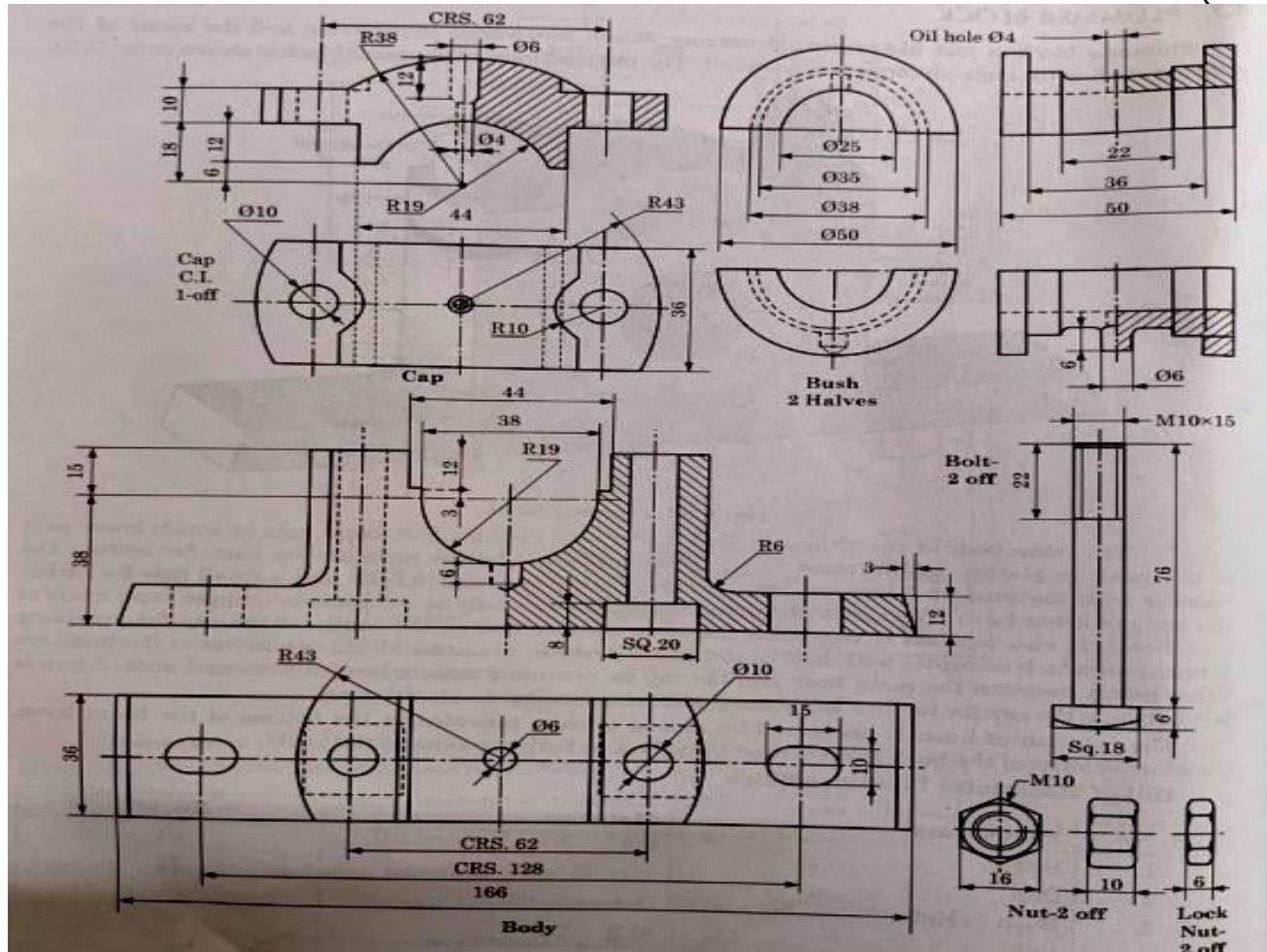
Note: Very Short Answer type Questions. Attempt any ten questions out of twelve questions. (10x2=20)

- | | | |
|------|---|-------|
| Q.1 | Define basic size. | (CO1) |
| Q.2 | Define clearance fit. | (CO1) |
| Q.3 | What do you mean by shaft basis system? | (CO1) |
| Q.4 | Define unilateral limit. | (CO1) |
| Q.5 | Define transition fit. | (CO1) |
| Q.6 | Name different parts of universal coupling. | (CO2) |
| Q.7 | Write the function of Oldham's coupling. | (CO2) |
| Q.8 | What are the uses of ball bearing? | (CO2) |
| Q.9 | Write the function of fast and loose pulleys. | (CO2) |
| Q.10 | Name different types of pipes. | (CO2) |
| Q.11 | Define pitch circle. | (CO8) |
| Q.12 | Describe screw jack. | (CO7) |

Section-B

**Note: Long answer type questions. Attempt any four questions out of five questions
(4X20=80)**

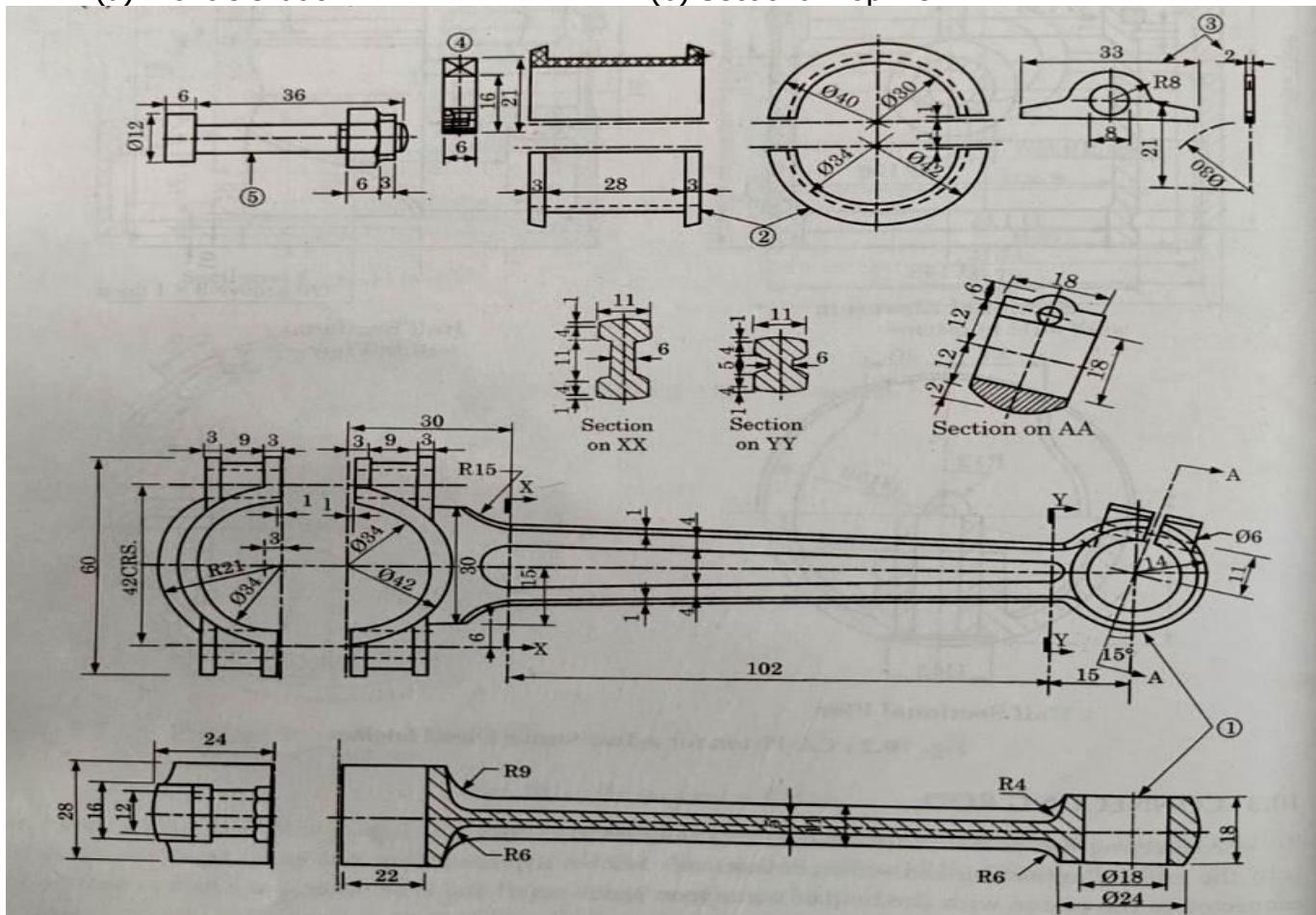
- Q.13 Draw the free hand sketch of flange pipe joint. (any two views.) (CO2)
Q.14 Explain any five gear terminologies with their supporting free hand sketches. (CO8)
Q.15 Figure shows the details of Plummer block. Assemble the parts and show its half - sectional front view. (CO2)



Q.16 Figure shows the details drawing of connecting rod for a petrol engine. Draw the following views after assembly:
(CO5)

(a) Front elevation

(b) Sectional Top view.



Q.17 Figure shows the details of a machine vice. Draw the following views after assembly:

(a) Front view – Full in section

(b) Top view

(CO4)

