

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

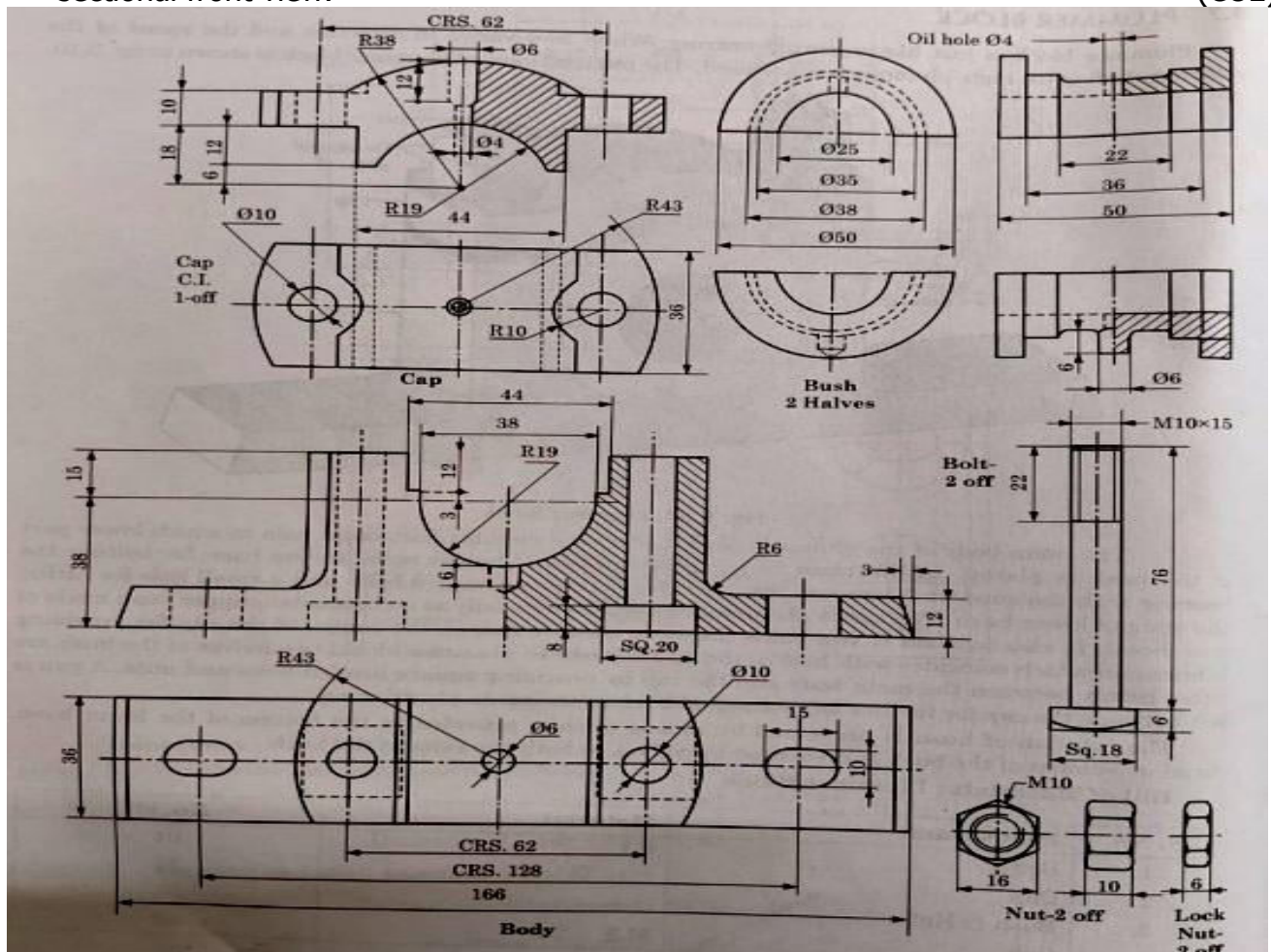
Note: Very Short Answer type Questions. Attempt any ten questions out of twelve questions. (10x2=20)

- | | | |
|------|---|-------|
| 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

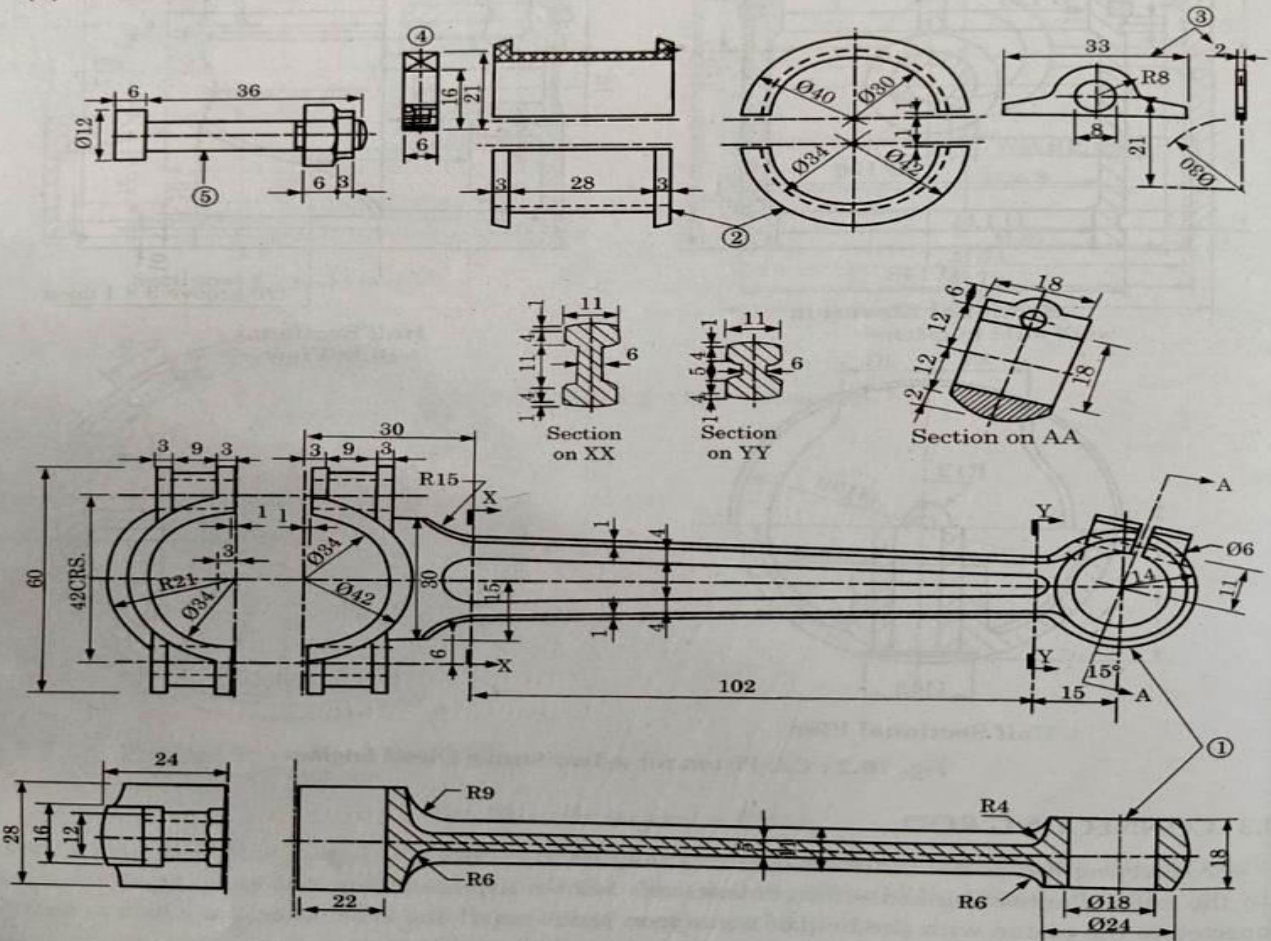
Note: Long answer type questions. Attempt any four questions out of five questions (4X20=80)

- | | | |
|------|---|-------|
| 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) |



(C05)

(b) Sectional Top view.



(C04)

(b) Top view

