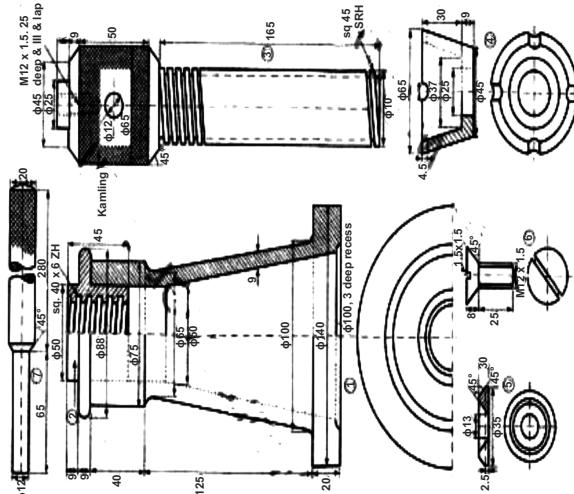
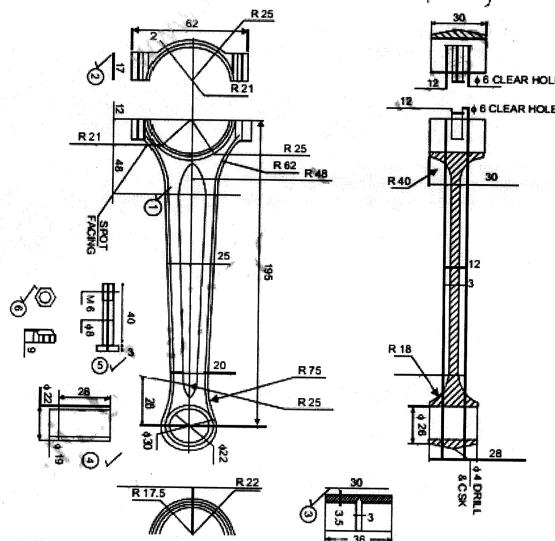


Q.16 Figure 5 shows the details of screw jack. Assemble the given components and draw the full sectional front view of assembly.



Q.17 Draw the sectional front view of the connecting rod from the given figure.



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Roll No.

3rd Sem. / Mechanical Engg Drawing

Subject : Mechanical Engg

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 Name any two types of pipe joints.
- Q.2 Give an example of the indication of machining allowance.
- Q.3 Draw symbols to represent removal of material by marching.
- Q.4 What is the advantage of using angular Plummer block over simple Plummer Block?
- Q.5 Mention various types of bearings.
- Q.6 Sketch clearance fit
- Q.7 Name two parts reciprocating parts in an IC engine.
- Q.8 Sketch unilateral tolerance
- Q.9 Sketch a hole basis system

- Q.10 Sketch free hand front view of a stepped pulley.
- Q.11 Sketch bilateral tolerance
- Q.12 What are the functions of connecting rod in IC engines?

SECTION-B

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

- Q.13 Figure 3 shows the details of Oldham's Coupling. Assemble the given parts and draw the side view of the assembly looking in the direction of arrow. Assume D= 30mm.

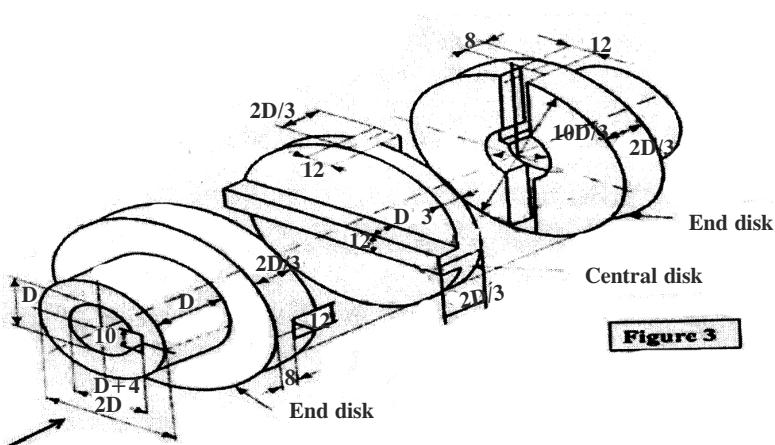
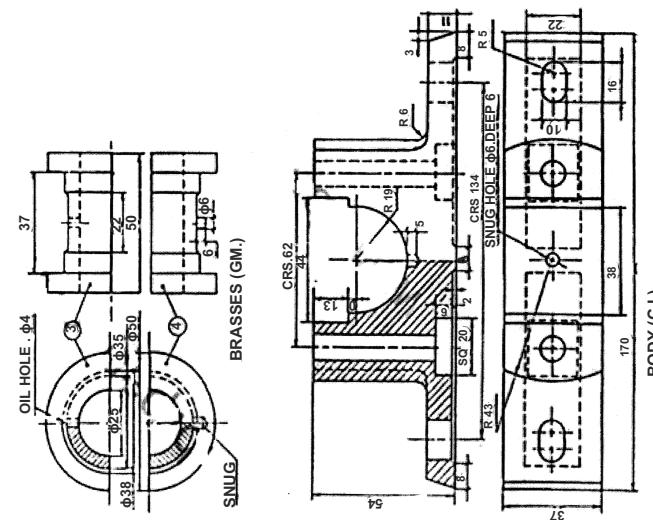


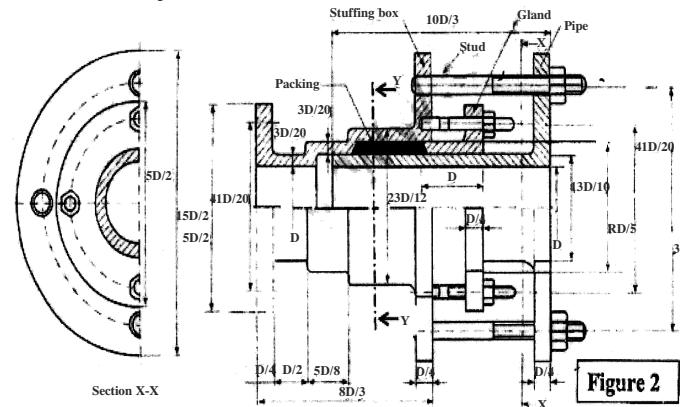
Figure 3

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- Q.14 Figure shows the partial details of Plummer Block. Assemble the given components and draw the full sectional front view of assembly.



- Q.15 Figure 2 shows the details of expansion type pipe joint. Draw full sectional side view of the assembly at section Y-Y.



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