

Model Question Paper-2 with effect from 2019-20 (CBCS Scheme)

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**Fourth Semester B.E. Degree Examination
Computer Aided Machine Drawing**

TIME: 03 Hours

Max. Marks: 100

- Note: 01. Answer any **ONE** question from each of the parts **A, B and C**.
 02. Use **FIRST ANGLE** projection only.
 03. Missing data if any may suitably be assumed
 04. All the calculations should be on answer sheet supplied.
 05. All the dimensions are in mm.
 06. **Part C Assembled View should be in 3D and other 2 views in 2D.**

PART A		CO	*Bloom's Taxonomy Level	Marks
Q.01	Using First Angle Projection, Draw the Orthographic Views of the object shown in fig below	CO1, CO2	L1, L2	20
OR				
Q.02	Draw the hexagonal headed bolt with nut of diameter 25mm bolt. Show three views	CO1, CO3	L1, L2	20

PART B				
Q. 03	Draw to 1:1 scale, the top view and sectional front view of a double riveted chain type Butt joint with double cover plate. The thickness of plate is 9mm. show at least 3 rivets in each row.	CO4	L1, L2	20
OR				
Q.04	Draw (a) half sectional view from the front, top half in section and (b) view from the side of a rigid flange coupling to connect two shafts, each of diameter 30 mm. Sketch the above views for the protected type of flange coupling.	CO1	L1, L2	20
PART C				
Q. 05	Details of 'CONNECTING ROD' are shown in following Figure 1. Assemble the parts and draw the following views of the assembly. i. Sectional Front View ii Top View	CO5	L1, L2	60
OR				
Q. 06	Details of 'SCREW JACK' are shown in following Figure 2. Assemble the parts and draw the following views of assembly. i) Sectional Front view ii) Top view	CO5	L1, L2	60

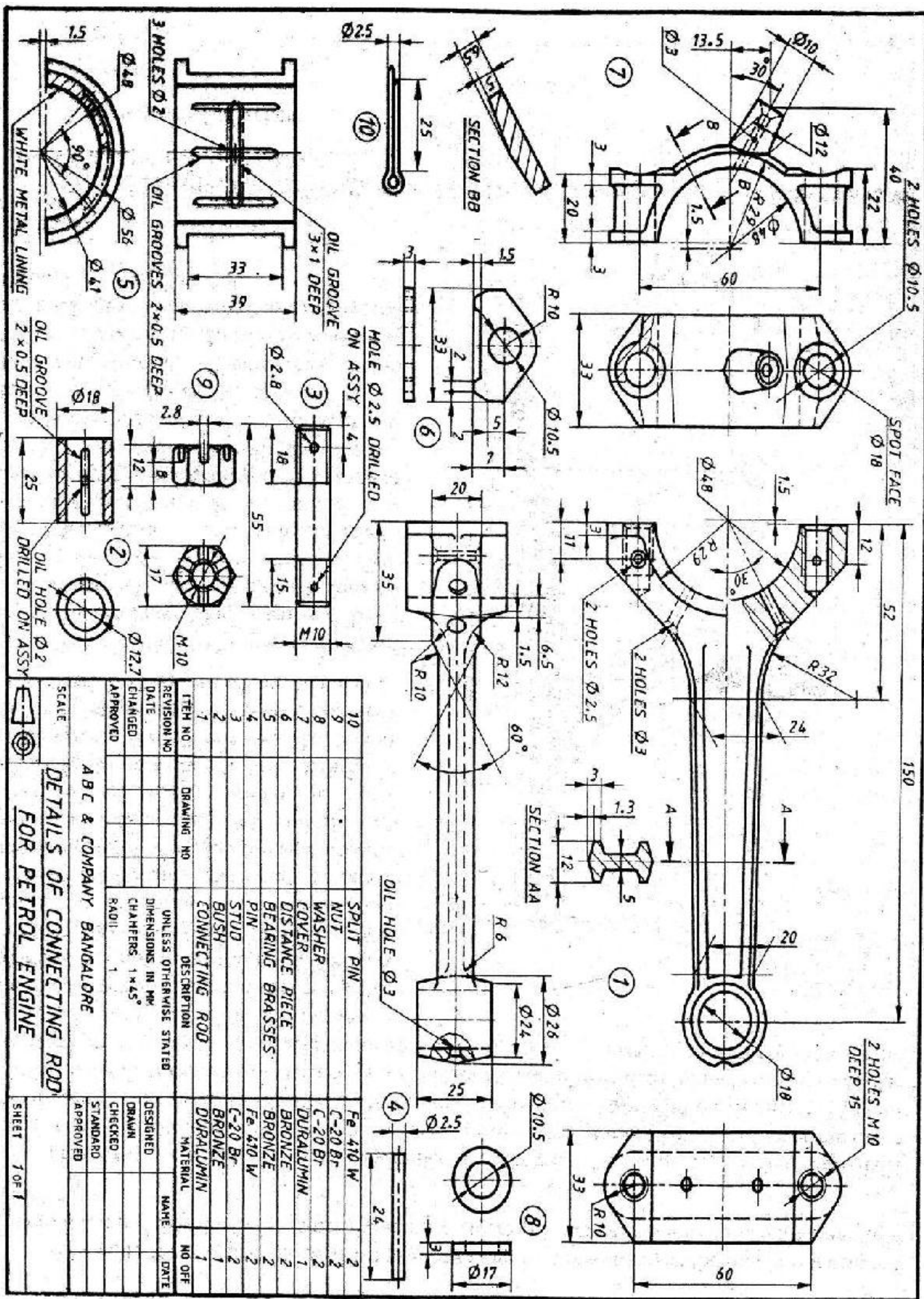
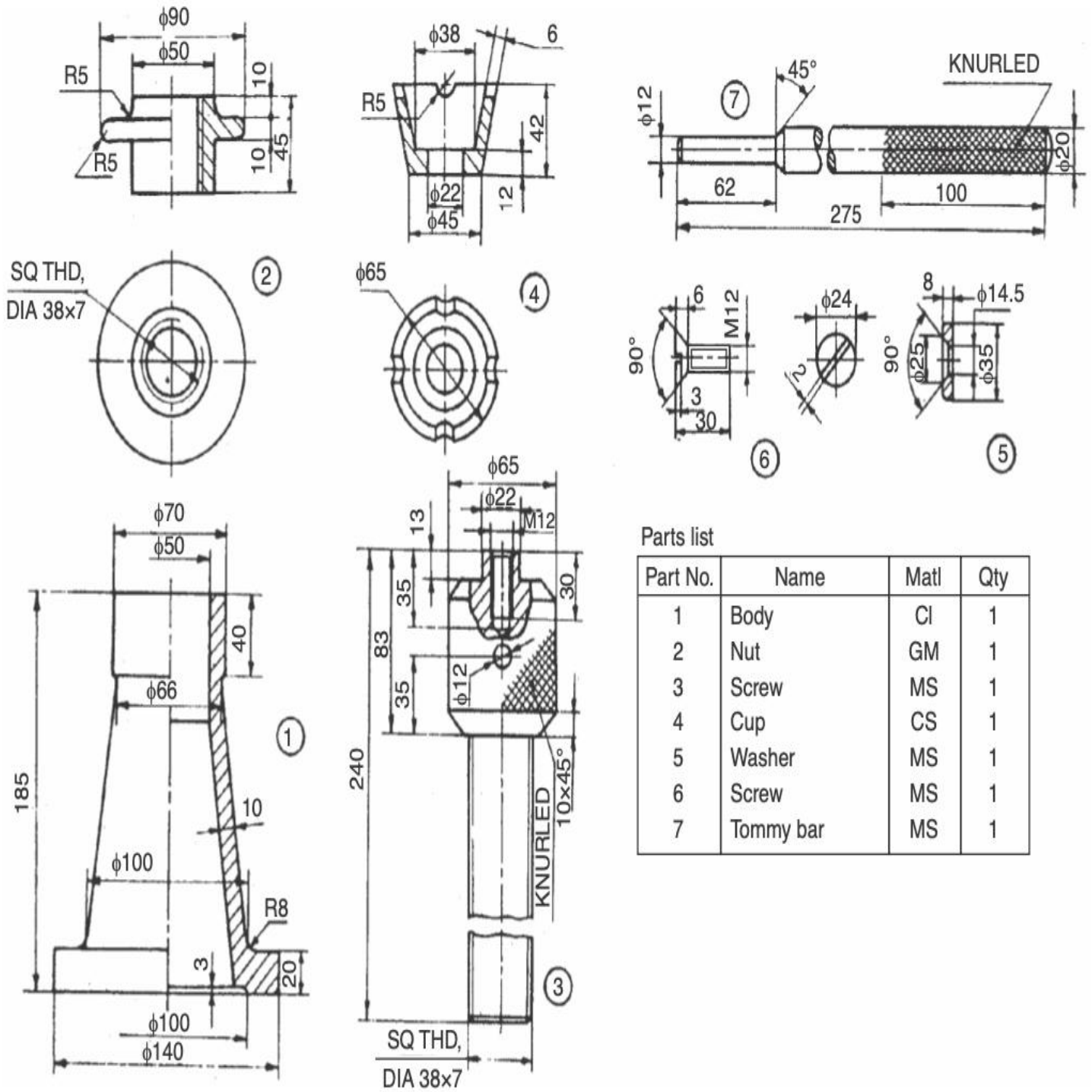


Figure 1



Parts list

Part No.	Name	Matl	Qty
1	Body	CI	1
2	Nut	GM	1
3	Screw	MS	1
4	Cup	CS	1
5	Washer	MS	1
6	Screw	MS	1
7	Tommy bar	MS	1

Figure 2