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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**

B.Tech II Year I Semester Supplementary Examinations Nov/Dec 2019

MACHINE DRAWING
(Mechanical Engineering)

Time: 4 hours

Max. Marks:60

Section – I

(Answer any two questions, 2 x 4 = 8)

1. Show the conventional representation of the following materials
i. Internal Screw Threads ii. Bearing on shafts

2. (i) Sketch a feather key with proportions.
(ii) Draw the triple start square threads with D as 30 mm.

3. Give the shape identification symbols for the following
i. Diameter ii. Radius iii. Square iv. Arrow

Section – II

(Answer any two questions, 2 x 8 = 16)

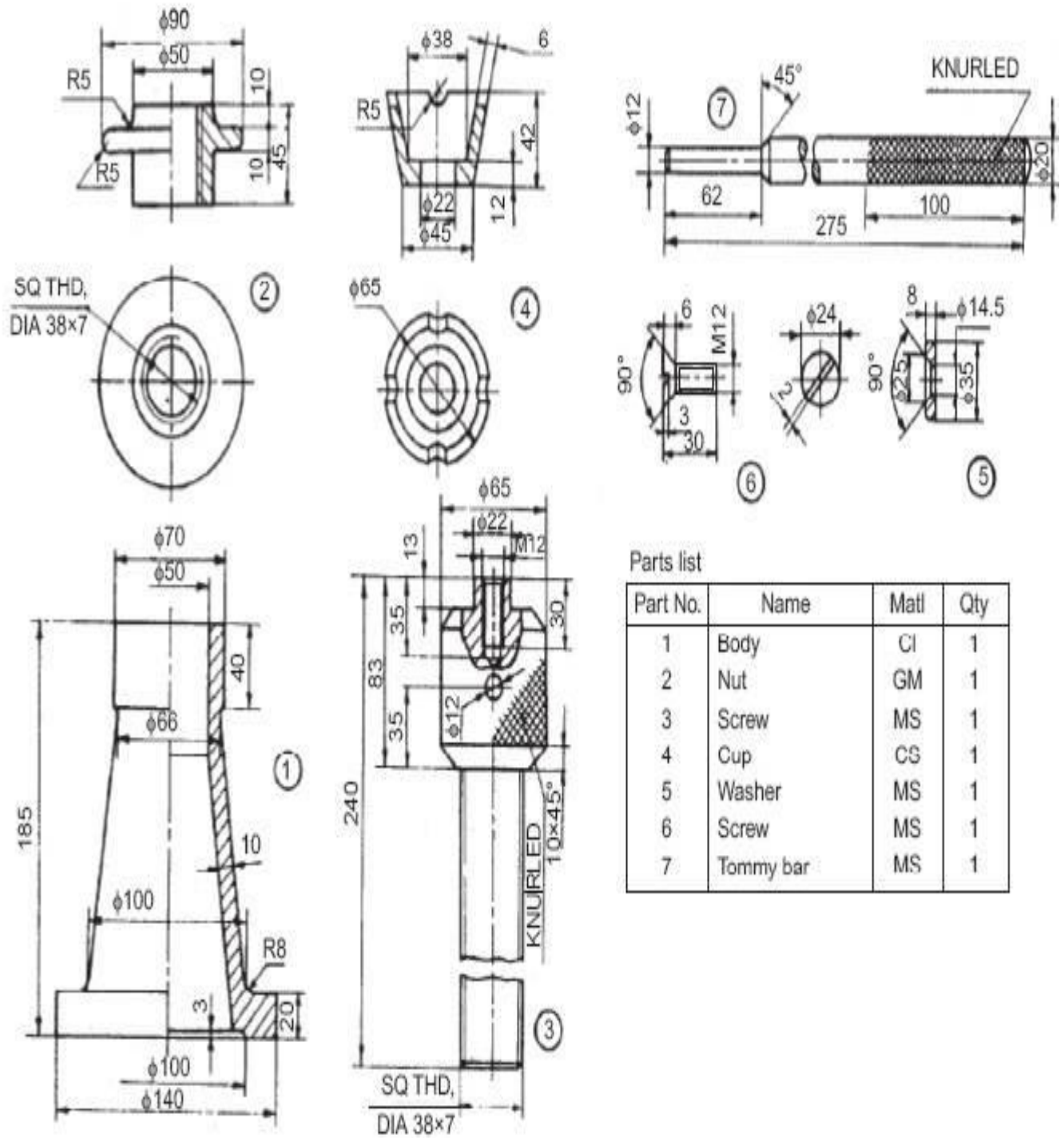
4. Double riveted butt joint to join two plates of 15 mm thick.

5. Sketch a socket and spigot cotter joint.

6. Draw the Bent foundation bolt of diameter 25mm.

Section – III
(Compulsory Questions, 1 x 36 = 36)

7. Assemble all parts of the screw jack, shown in Fig. and draw the following views:
 (i) Half sectional view from the front and
 (ii) View from above.



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

Screw jack

END