

Code No: 114DB**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech II Year II Semester Examinations, May - 2016****MACHINE DRAWING AND COMPUTER AIDED GRAPHICS****(Mining Engineering)****Time: 3 Hours****Max. Marks: 75****Answer any THREE questions from Part-A****Part-B is Compulsory**

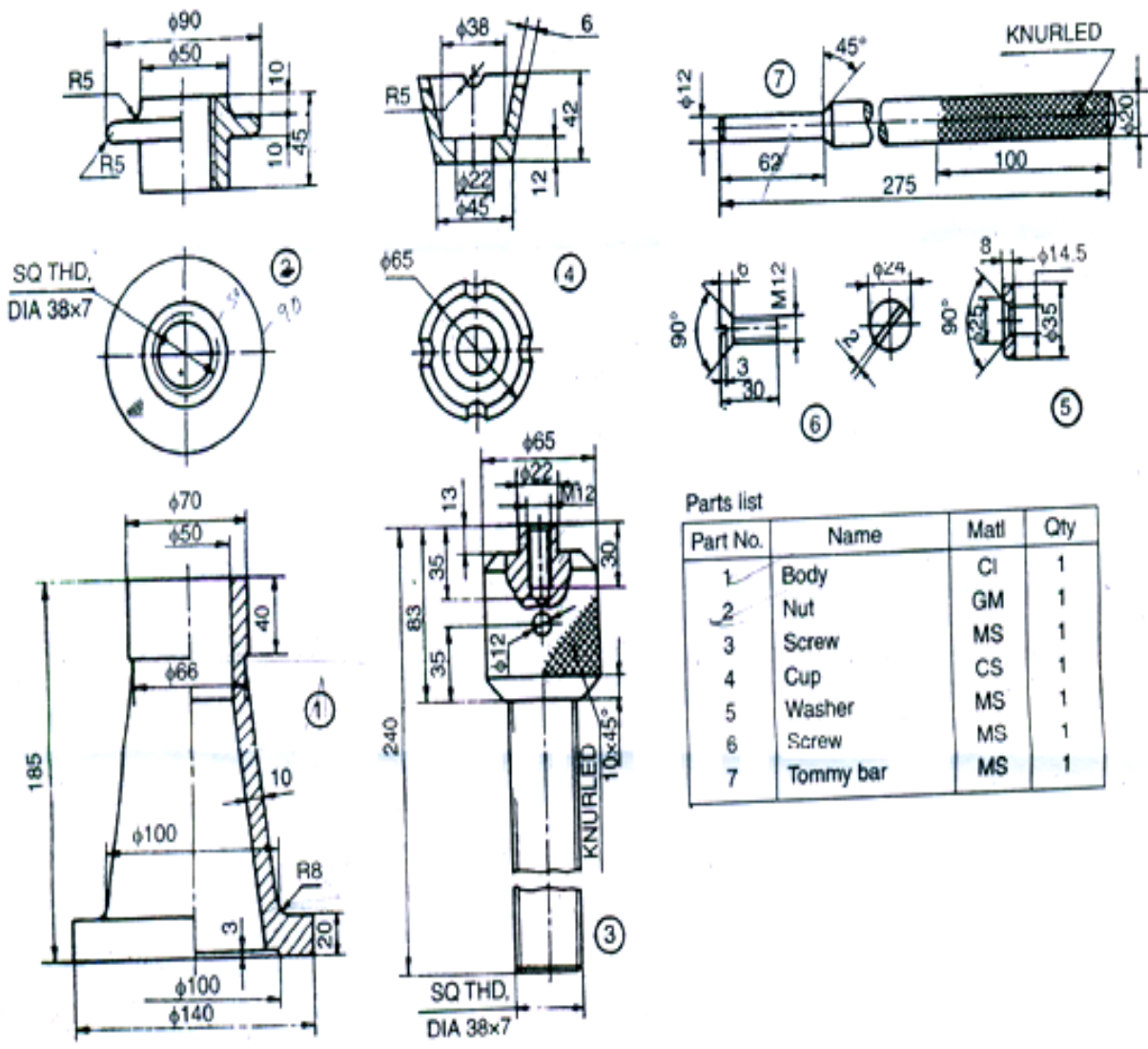
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PART- A**3 × 10 = 30 Marks**

1. Draw two views of square headed bolt and eye bolt. [10]
2. Draw knuckle Joint with proportionate dimensions to connect shaft of 30 mm.dia. [10]
3. Draw two views of single cover double rivetted butt Joint to connect plates of 16 mm thick. [10]
4. Draw half lap muff-coupling to connect shafts of 35 mm. diameter. [10]

PART – B**1 × 45 = 45 Marks**

5. Assemble all the parts of screw Jack shown in figure and draw half sectional front view and Top View. All dimensions are in mm. [45]



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

Fig. Screw jack

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