

II B.TECH - II SEMESTER EXAMINATIONS, APRIL/MAY, 2011
MACHINE DRAWING
(COMMON TO AUTOMOBILE ENGINEERING, MECHANICAL ENGINEERING,
MECHATRONICS)

Time: 3hours

Max. Marks: 80

Answer any TWO questions from PART – A
PART – B is compulsory

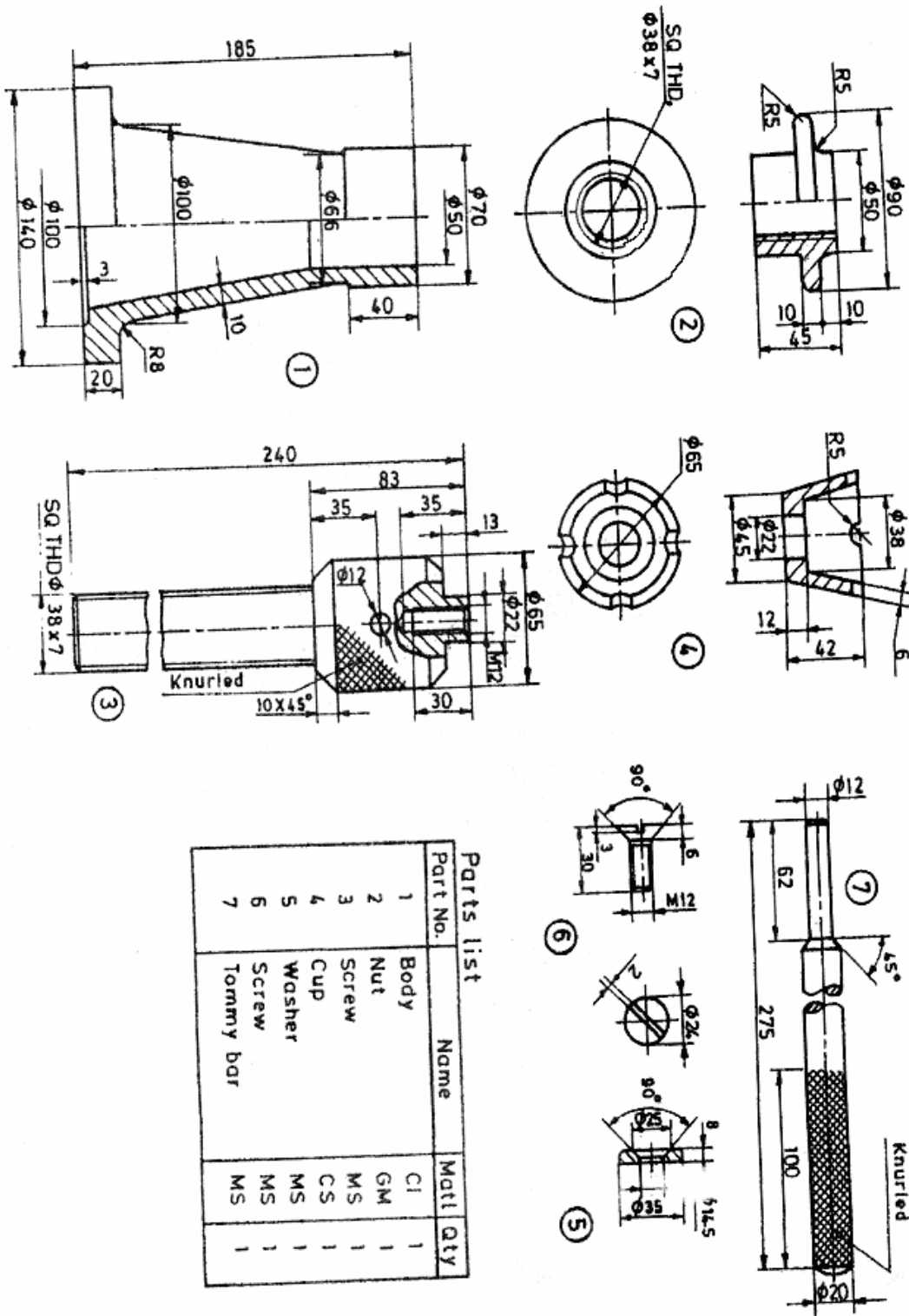
- - -

PART – A

1. Sketch the schematic representation of threaded parts.
 - a) V – threads
 - b) Square threads. [15]
2. Draw plan and sectional elevation of double riveted zig – zag lap joint to join two plates of 10 mm thickness. [15]
3. Draw proportionate diagram of Sleeve and cotter joint to connect two shafts of \varnothing 30 mm. [15]

PART – B

4. The details of screw jack are given in the figure. Draw the following assembled views:
 - a) Half sectional front view
 - b) Top view
 - c) Side view [50]



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
