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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech II Year II Semester Examinations, May - 2017
MACHINE DRAWING
(Common to ME, MCT, AME, MSNT)

Time: 3 Hours   Max. Marks: 75

Answer any THREE questions from Part-A
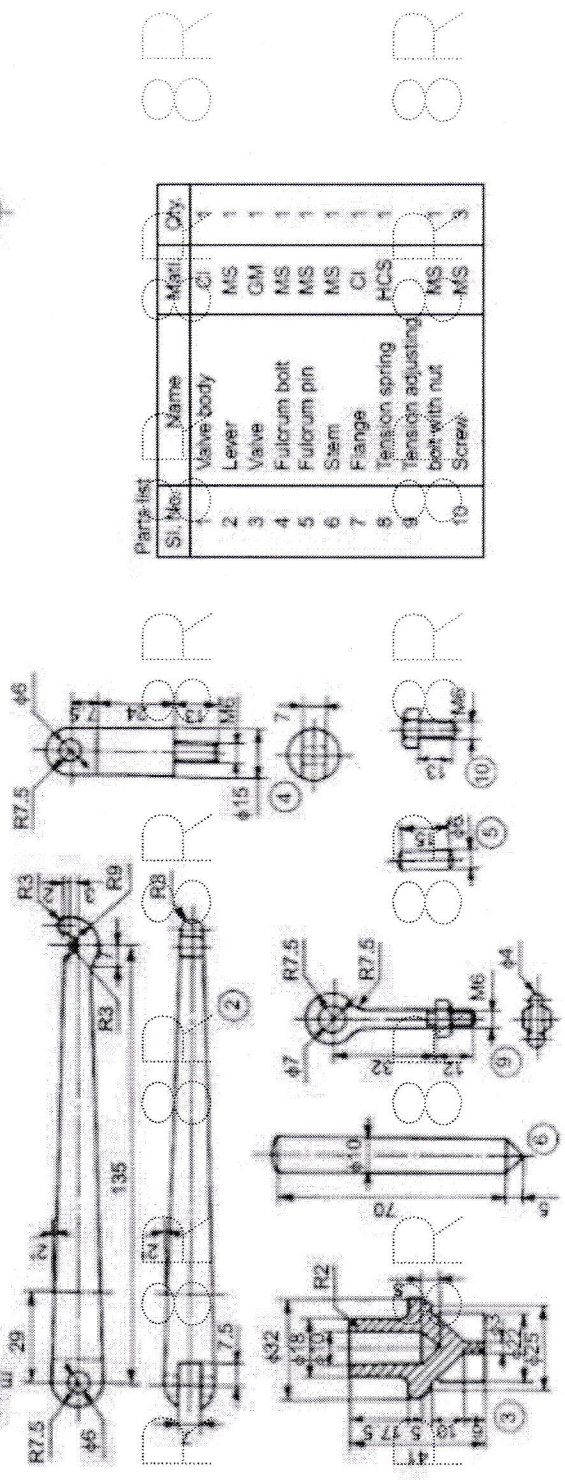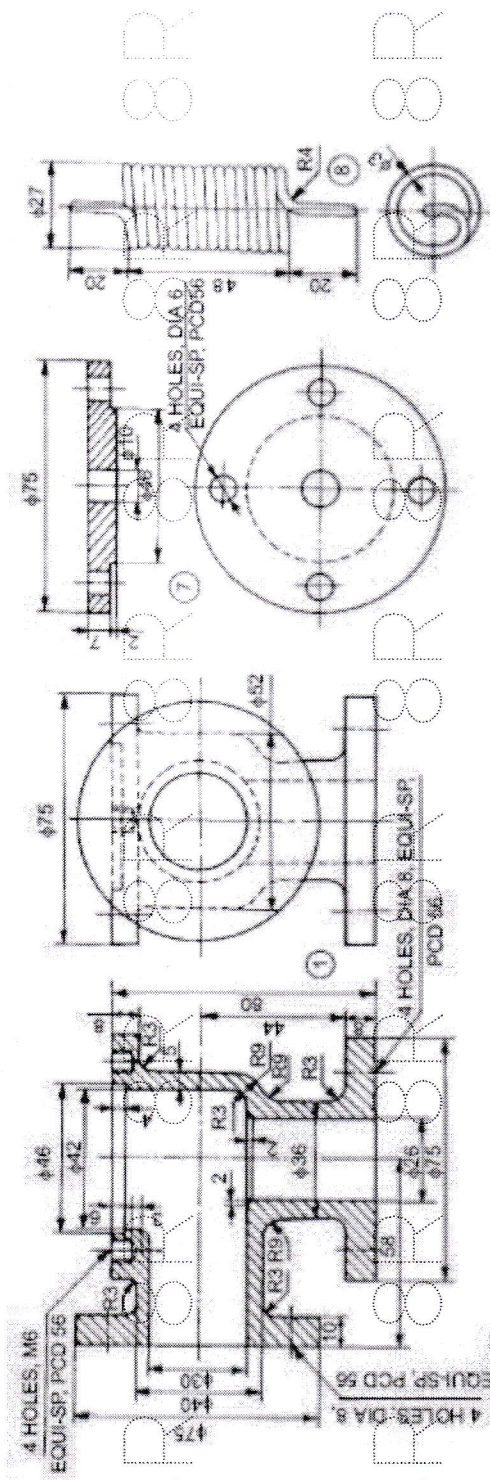**Part-B is Compulsory**
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PART- A

[3 × 10 = 30 Marks]

1. Draw the sectional front view and top view of two 20 mm thick plates fastened together by means of 20 mm diameter stud, a hexagonal nut and a washer. Insert important dimensions. [10]

2. Draw the sectional front and side view of a cotter-joint with two sleeves and each sleeve is having a width of 32 mm and thickness 6 mm and the clearance is 3 mm and taper as 1 in 30. [10]

3. Draw neatly, a sectional front view and top view of a single riveted butt joint for two 10 mm thick plates, using two butt-straps. Show all the dimensions in your drawing. [10]

4. Draw the half sectional front view and side view of a journal bearing which can accommodate 40 mm diameter shaft. [10]

PART - B

[1 × 45 = 45 Marks]

5. Assemble the parts of spring loaded safety valve for the parts shown in Figure and draw the:
   a) sectional front view
   b) right side view. [45]

4 HOLES, DIA 6, EQUI-SP, PCD 56

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