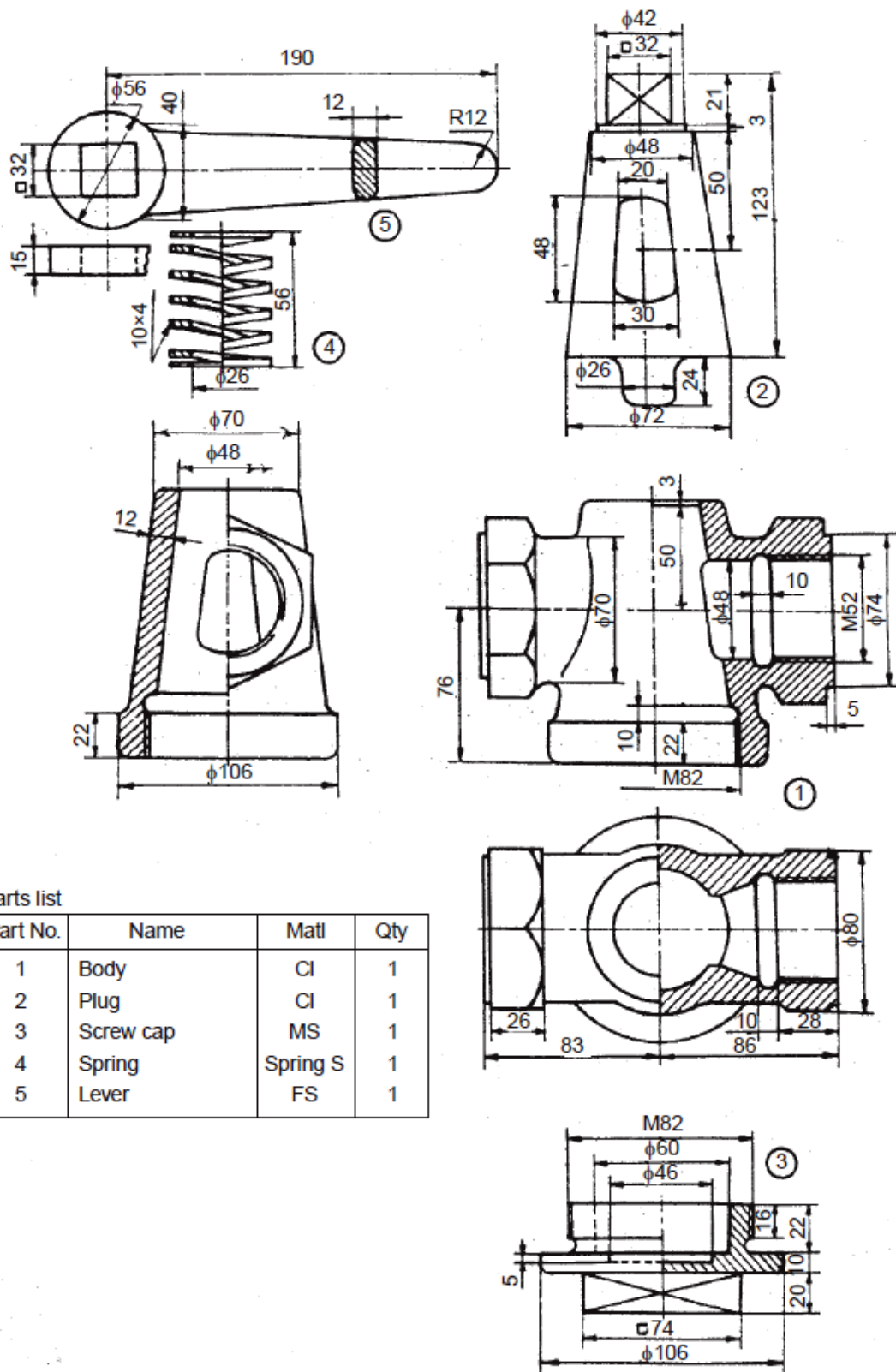


**Code No: 134BJ****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech II Year II Semester Examinations, December - 2018****MACHINE DRAWING****(Mechanical Engineering)****Time: 3 Hours****Max. Marks: 75****Answer any THREE questions from Part-A****Part-B is Compulsory****- - -****PART- A****3 × 10 = 30 Marks**

1. Draw the conventional representation for Radial Ribs, Straight Knurling and Diamond Knurling. [10]
2. Draw three views of a hexagonal and square nut for 20 mm diameter bolt. [10]
3. Sketch the various methods of fitting a feather key in position. [10]
4. Draw the half sectional front view and right side of a bushed pin type flange coupling, indicating proportions to two shafts, each of diameter 30 mm. [10]

**PART-B****1 × 45 = 45 Marks**

5. The details of an air cock are shown in the following Figure. Assemble the parts and draw
  - a) half sectional view from the front,
  - b) view from the right and
  - c) the view from above. All dimensions are in mm. [45]



Parts list

Part No.	Name	Matl	Qty
1	Body	CI	1
2	Plug	CI	1
3	Screw cap	MS	1
4	Spring	Spring S	1
5	Lever	FS	1

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