

Code No: 114DA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech II Year II Semester Examinations, November/December - 2015

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

## PART - A

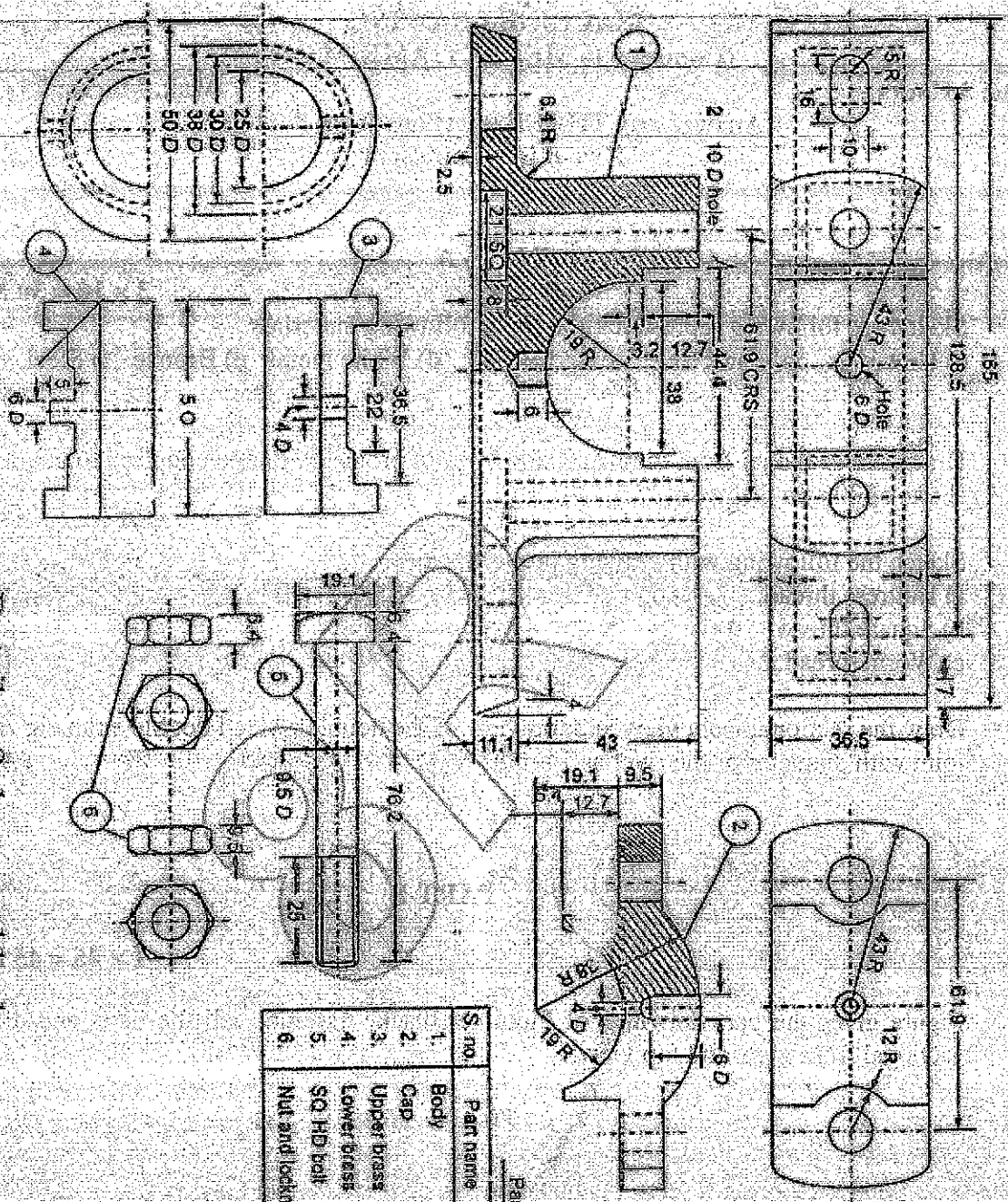
3 × 10 = 30 Marks

1. Sketch the following representation of the following materials.  
a) Cast-iron    b) concrete    c) wood    d) White metal    e) Bronze    f) Steel. [10]
2. Draw half sectional front view and side view of protected flange coupling to connect two shafts of 30 mm diameter. [10]
3. Sketch the following with drawing proportions:  
a) Buttress thread  
b) Square thread  
c) Worm thread. [10]
4. Draw the sectional front view and top view of the double riveted double strap zig zag butt joint with diameter of the rivet as 14 mm. [10]

## PART-B

1 × 45 = 45 Marks

5. Figure gives the part drawings of Plummer block. Assemble all the parts and draw the sectional front view and top view. [45]



Part List

S. no.	Part name	Material	No. off
1.	Body	C.I.	1
2.	Cap	C.I.	1
3.	Upper brass	G.M.	1
4.	Lower brass	G.M.	1
5.	SQ HD bolt	M.S.	2
6.	Nut and locknut	M.S.	2 each

Details of plummer block