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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD
B.Tech II Year II Semester Examinations, May-2013
Machine Drawing
(Common to ME, MCT, AME)

Time: 3 hours   Max. Marks: 75

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

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PART-A   (15×2=30M)

1.   Answer any two of the following, indicating the proportional dimensions on the drawing

 a)   Draw a full size three views in orthographic projection of a 25mm diameter hexagonal bolt, 100mm long fitted with a hexagonal nut and locknut

 b)   Draw the top half sectional front view and side view of cotter joint with socket and spigot ends by taking D=30mm.

 c)   Draw the sectional front view and top view of Double riveted lap joint, chain riveting. Taking thickness of plate 16mm and diameter of rivet 24 mm.

 d)   Draw the front view and top view of foot step bearing for supporting the shaft of diameter 44 mm.

PART-B   (45M)

2.   Assemble all parts of the screw jack shown in below and draw

   a)   Front view- right half in section

   b)   Top view

   c)   Right side view