

R09

Code No: R09220305

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B. Tech II Year - II Semester Examinations, November/December, 2012

MACHINE DRAWING

(Common To AME, MCT, ME)

Time: 3 hours

Max. Marks: 75

Note: Answer any TWO questions from PART – A

PART – B is compulsory

PART – A

[2×15=30]

1. Draw the sectional front view and top view of a double riveted zig-zag lap joint. Take the thickness of plates=10 mm. Assume pitch of rivets as three times the rivet diameter. [15]
2. Draw three views of a hexagonal bolt of nominal diameter 30 mm and length 110 mm. [15]
3. Draw
 - a) half sectional front view, top half in section and
 - b) side view of a rigid flange coupling to connect two shafts, each of diameter 25 mm. [15]

PART – B

[1×45=45]

4. Assemble different parts of screw jack and draw the following views for the assembled unit.
 - a) view from the front, right half in section and
 - b) top view. [25+20]


