

Code No: 54017

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

B.Tech II Year II Semester Examinations, December-2014/January-2015

MACHINE DRAWING

(Common to ME, MCT, AME, MSNT)

Time: 3 hours

Max. Marks: 75

Answer any TWO questions from Part-A

Part-B is Compulsory

PART-A**(30 Marks)**

1. a) Sketch the conventional representation of Steel, glass and concrete.
b) Show by means of neat sketch the profile of Metric thread with dimensions.
c) Give the conventional representation of Spur gear and Bevel gear.
2. Draw sectional front view and side view of a flanged coupling to connect two shafts of diameter 30mm.
3. Draw:
 - a) sectional view from the front and
 - b) view from above, of the following riveted joints, to join plates of thickness 10 mm:
 - i) Double riveted chain lap joint,
 - ii) Double riveted, double strap, chain butt joint.

PART-B**(45 Marks)**

4. Details of a steam engine connecting rod end are shown in the figure. Assemble the parts together and draw its following views:
 - a) Half sectional front view
 - b) Sectional top view
 - c) Left -hand side view.