

**Code No: 114DA****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech II Year II Semester Examinations, October/November - 2016****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)**

1. Sketch the conventional representation of the following materials:
  - a) Steel
  - b) lead
  - c) glass
  - d) Asbestos. [10]
  
2. Sketch the conventional representation of the following
  - a) Semi elliptic leaf spring
  - b) Cylindrical tension spring
  - c) Square on shaft
  - d) Bearings. [10]
  
3. Sketch the required views indicating the proportions of compression muff coupling to connect two shafts, each of diameter 30 mm. [10]
  
4. Draw
  - a) Sectional view from the front and
  - b) View from above, of the following riveted joints, to join plates of thickness 10mm: i) Double riveted chain lap joint ii) double riveted Zig-Zag lap joint. [5+5]

**PART - B****(1 × 45 = 45)**

5. The details of eccentric given in the following. Draw the following assembled views?
  - a) half sectional front view
  - b) Top view
  - c) Side view. [45]

