

Code No: 134BJ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**B.Tech II Year II Semester Examinations, September/October - 2023****MACHINE DRAWING
(Mechanical Engineering)****Time: 3 Hours****Max. Marks: 75****Note:** This question paper contains two parts A and B. i) **Part- A** for 30 marks, ii) **Part - B** for 45 marks.

i) Part – A: 3 out of 4 questions must be answered.

ii) Part – B: 1 Compulsory Question (No Choice) to be answered for 45 Marks.

PART - A**(30 Marks)**

1. Design and draw the front sectional view and top view of a double riveted (zig zag) butt joint to join plates of 15mm thickness each. [10]
2. Design and draw the front and top views of socket and spigot joint to join two pipes of 30mm diameter. [10]
3. Draw the front, top and right side view of a square-headed bolt with 30mm diameter. [10]
4. Draw the front, top and side views of a journal bearing for suitable dimensions. [10]

PART – B**(45 Marks)**

- 5.a) Draw the half sectional front view of the assembly of a tail stock.
- b) Draw the top view of the tail stock. All dimensions are in mm.

[25+20]

