MODEL QUESTION PAPER	
END EXAMINATION	
<b>MACHINE DRAWING (M-306)</b>	١

\_Time: 3 Hours

**Total Marks: 60** 

Note: 1. Drawing should be neat and proportionate

- 2. Use first angle projection
- 1. Use Standard data
- 2. Assume missing data suitably if any

PART – A

Answer all the questions

4 X 5 = 20

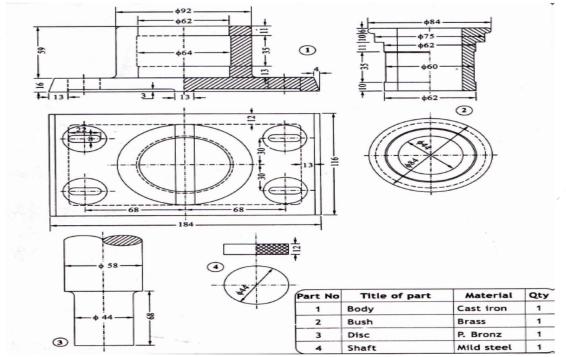
- 1. Draw the two views of hexagonal headed bolt
- 2. Draw two views of double riveted zig –zag lap joint
- 3. Draw the single line symbols for the following pipe fittings (a) Cap (b) Tee (c) 90° elbow (d) Reducer (e) Gate valve
- 4. Show the welding symbols for the following types
  (i)Weld all round (ii) Grinding Finish (c) Chipping Finish (iv) Seam weld (V) Spot weld

Part B

Answer any one question

 $1 \times 40 = 40$ 

5. Assemble together the parts of the **Foot step bearing** shown in the figure and draw its following views (i) sectional front view (ii) Top view (iii) Dimensioning



6. Assemble together the parts of the **Knuckle joint** shown in the figure and draw its following views (i) sectional front view and (ii) Top view (iii) Dimensioning

