



C09-M-307/C09-MET-307

3251

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2017

DME—THIRD SEMESTER EXAMINATION

MACHINE DRAWING

Time : 3 hours]

[Total Marks : 60

PART—A

5×4=20

Instructions : (1) Answer **all** questions.

(2) Each question carries **five** marks.

(3) Answer should be neat and clear with all the necessary dimensions.

(4) All dimensions are in mm.

1. Draw two views of a hexagonal headed bolt.

2. Draw two views of double riveted chain lap joint.

3. Draw the single-line symbols for the following pipe fittings :

(a) Cap

(b) Tee

(c) 90° elbow

(d) Lateral

(e) Gate valve

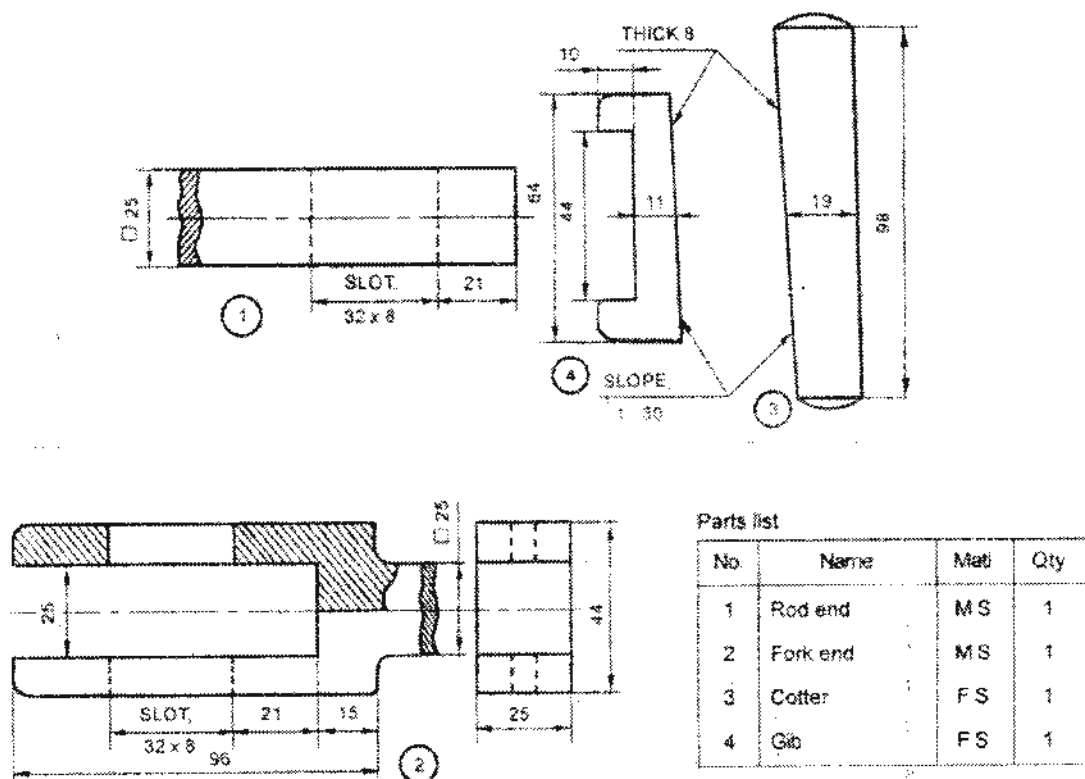
4. Draw the following weld symbols :
- Single V-butt weld
 - Single bevel butt weld with broad root face
 - Backing weld
 - Spot weld
 - Convex double V-butt weld

PART—B

40

Instructions : (1) Answer *any one* question.
(2) Priority should be given to the accuracy, neatness and dimensioning.

5. Study the given part drawings of Cotter Joint with Gib.
Assemble the parts and draw : 25+15
- Half-sectional front view
 - Top view

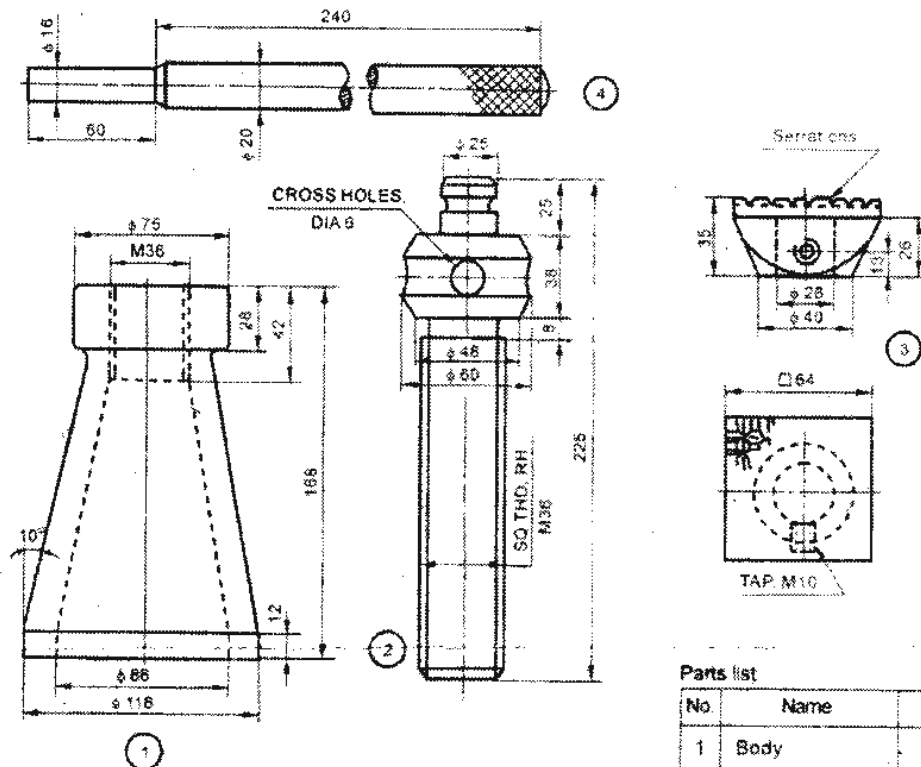


COTTER JOINT WITH A GIB

6. Study the parts of given screw jack. Assemble the parts and draw : 25+15

(a) Half-sectional front view

(b) Right-side view



SCREW JACK