



C16-M-306

6247

BOARD DIPLOMA EXAMINATION, (C-16)

OCT/NOV—2018

DME—THIRD SEMESTER EXAMINATION

MACHINE DRAWING

Time : 3 hours]

PART—A

5×4=20

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **five** marks.
(3) All dimensions are in mm.
(4) Choose suitable scale.

1. Draw the following screw thread profiles with standard proportions :

(a) Metric thread

(b) Worm thread

2. Sketch the following special nuts with standard proportions :

(a) Cap nut

(b) Wing nut

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3. Draw the following pipe-fitting symbols (single line) :

- (a) Tee
- (b) Plug
- (c) Cross
- (d) Lateral
- (e) Coupling

4. Draw the following weld symbols :

- (a) Single-bevel butt weld
- (b) Single-V butt.
- (c) Double-V butt
- (d) Slot weld
- (e) Double-bevel butt

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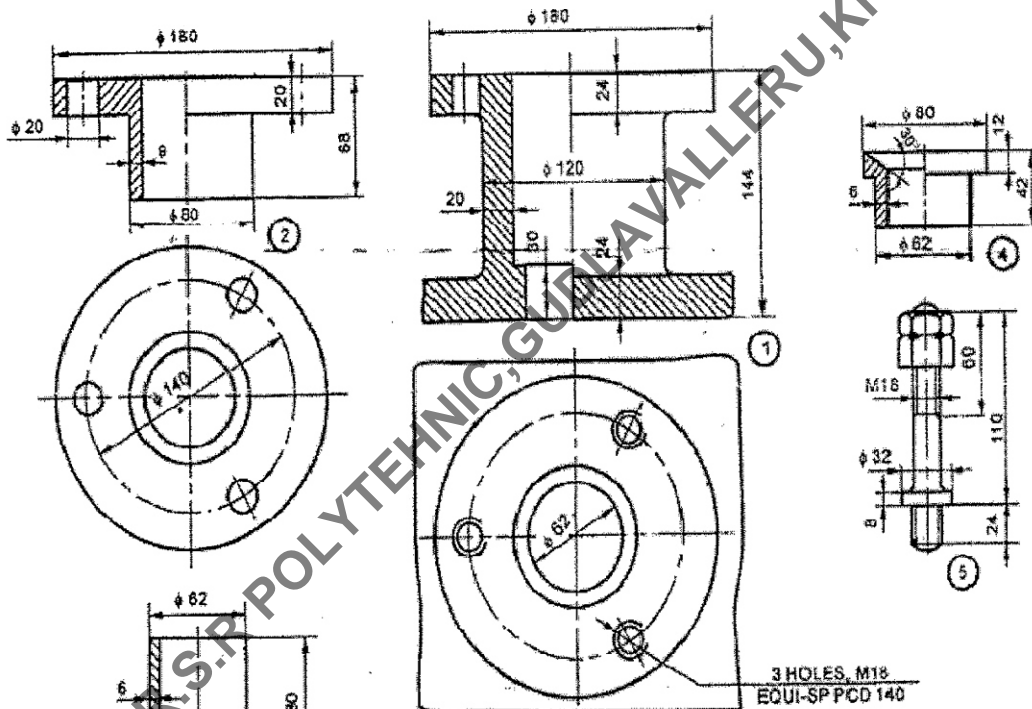
A.A.N.M & V.V.R.S.R POLYTEHNIC, GUDLAVALLERU, KRISHNA DIST., A.P

PART—B

40

- Instructions :** (1) Answer *any one* question.
 (2) Each question carries **forty** marks.
 (3) All dimensions are in num.
 (4) Choose suitable scale.

- 5.** Assemble parts of the stuffing box shown in Annexure-1 and draw the following views : 20+15+5=40
 (a) Sectional front view
 (b) Top view
 (c) Dimensioning



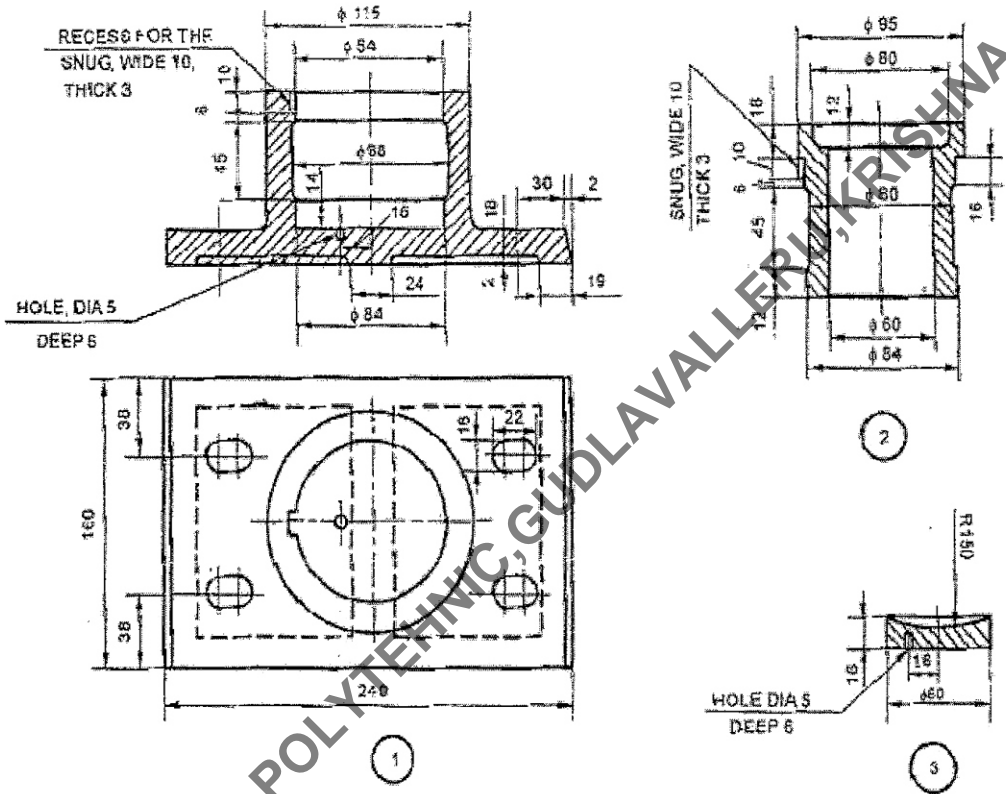
Parts list

No.	Name	Matl	Qty
1	Stuffing box	CL	1
2	Gland	CI	1
3	Gland bush	BRASS	1
4	Neck bush	BRASS	1
5	Stud with nuts	MS	3

Stuffing Box

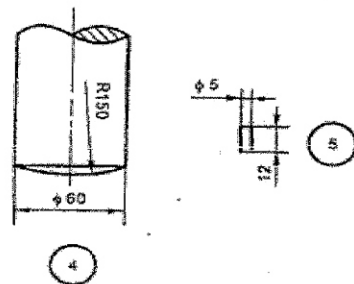
6. Assemble parts of the footstep bearing shown in Annexure-2 and draw the following views : 20+15+5=40

- (a) Full sectional front view
- (b) Top view
- (c) Dimensioning



Parts List

No.	Name	Material	Qty.
1	Body	Cast iron	1
2	Blush	Brass	1
3	Disc	P Bronze	1
4	Shaft	Mild steel	1
5	Pin	Mild steel	1



Foot-step Bearing
