TED (10)-3040

(REVISION-2010)

Reg. No. Signature

THIRD SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/ TECHNOLOGY-OCTOBER, 2013

MACHINE DRAWING

(Common for ME and AU)

[Time : 3 hours

(Maximum marks : 100)

- [Note : 1. All dimensions are in mm.
 - 2. First angle projection method to be followed.
 - 3. Missing datas if any may be suitably assumed.
 - 4. Both sides of the drawing sheet may be used.

5. Sketches on 3-4 pages.]

Marks

15

20

10

20

10

25

15

25

15

 $(7\frac{1}{2} \times 2 = 15)$

$U_{NIT} - I$

I Draw any two types of foundation bolts-common types.

OR

II Draw to full size the thread section of a British Association thread and show all the standard proportions showing at least 3 complete pitch length. Take pitch = 25 mm.

UNIT - II

- III Isometric view of a sleeve and cotter joint is shown in figure I. Draw the following views :
 - Elevation (top half in section) (a)

(b) Top view

OR

- IV Isometric view of a solid type flanged coupling is shown in figure II. Accommodate the coupling and then draw the following views :
 - (a) Top half sectional elevation.

(b) Left hand side view.

V Isometric view of a bushed bearing is shown in figure III. Draw to full size :

- (a) Left half sectional elevation looking in the direction of 'F'.
- (b) Top view.

OR

VI Full sectional elevation of a Non-return valve is given in figure IV.

- (a) Copy the figure IV given.
 - (b) Draw the top view.

[315]

Unit – IV

- (a) Butt joint
- (b) Lap joint
- (c) Tee joint
- (d) Corner joint
- (e) Edge joint.

(5×3=15)

Marks

OR

VIII Give the single line orthographic symbols of the following pipe fittings :

- (a) 90° elbow flanged type
- (b) 45° elbow screwed type
- (c) Joint/coupling flanged type
- (d) Tee screwed type
- (e) Reducer coupling screwed type.

(5×3=15)



