No. of Printed Pages : 3

BME-034

DIPLOMA IN MECHANICAL ENGINEERING (DME)

ADVANCED LEVEL CERTIFICATE COURSE IN MECHANICAL ENGINEERING (DMEVI/ACMEVI)

00288

TERM-END EXAMINATION

JUNE, 2014

BME-034 : MACHINE DRAWING

Time : 2 hours *Maximum Marks : 70*

Note : *Attempt* ***all*** *questions.*

1. Answer any ***seven*** of the following : *2×7=14*

(a) Size of standard drawing sheet designated as A4 is _____ × _____ mm.

(b) Differentiate between first angle of projection and third angle of projection.

(c) What are the types of rivet heads ? Name any four.

(d) How many views will be required to be drawn for any object which is

(i) Asymmetric

(ii) Symmetric

about orthogonal axis in machine drawing ?

(e) What is projection ?

(f) Continuous thin line is used as _____ .

(g) Draw a section through square thread and mark the pitch (p).

(h) What are the types of sectional views ? Name all of them.

2. Two plate 16 mm thick are to be joined by single rivetted lap joint. Draw the front view and top view. *16+10=26*

OR

Two plates 20 mm thick as shown in Figure 1 are to be joined with four (4) bolts (M 20). Draws front view and top view.

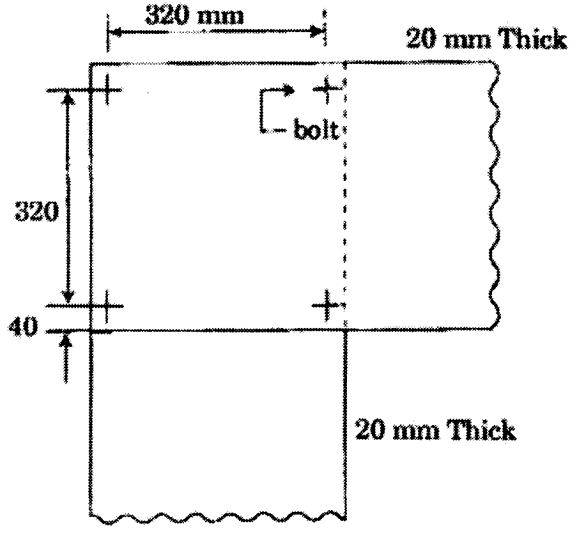
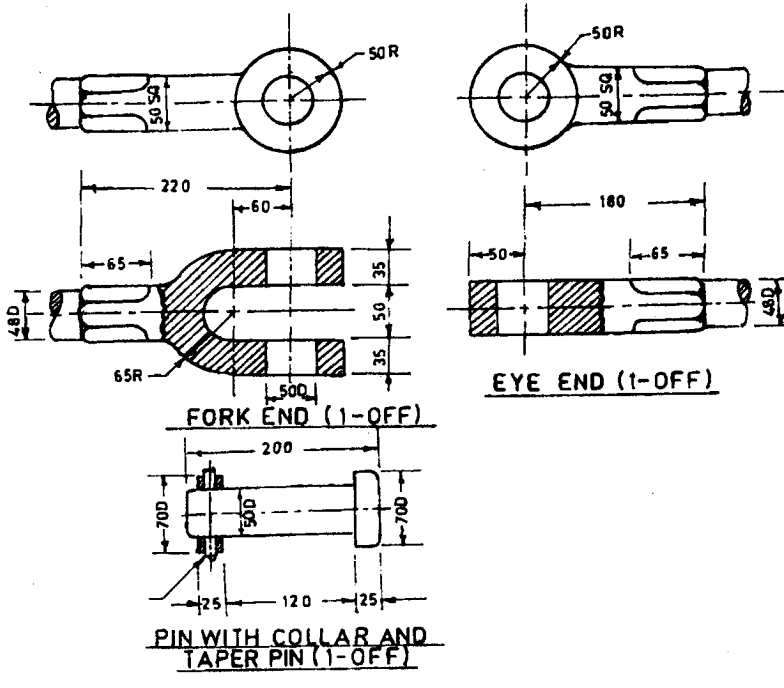


Figure 1

3. The details of Knuckle joint are given in Figure 2. Draw the assembled views following third angle projection : *20+10=30*

(i) Front view in full section

(ii) Top view



KNUCKLE JOINT – FIG.- 2