

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2018

ENGINEERING GRAPHICS

[Time : 3 hours

(Maximum marks : 100)

- [Note :—1. Both sides of drawing sheet can be used.
2. Drawings should be in first angle projection.
3. Theory questions can be answered in answer book.
4. Sketches accompanied.
5. Dimensioning as per BIS.]

PART — A

(Maximum marks : 10)

Marks

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. Show any method of dimensioning a square with free hand sketch.
2. Represent any two types of lines with their application.
3. What is meant by minor axis of an ellipse ?
4. What are isometric lines ?
5. Name any two types of oblique projections.

(5×2=10)

PART — B

(Maximum marks : 50)

Answer any *five* of the following questions. Each question carries 10 marks.

- II Redraw figure 1 and dimension as per BIS.
- III Inscribe a regular pentagon in a circle of diameter 70 mm.
- IV Draw the projections of the following points on a common reference line, with the distance between their projectors 30 mm apart.
 - (i) Point A is 20 mm below HP and 50 mm in front of VP.
 - (ii) Point B is on HP and 40 mm behind VP.
 - (iii) Point C is on HP and 30 mm in front of VP.
 - (iv) Point D is 50 mm HP and 30 mm behind VP.
 - (v) Point E is 20 mm below HP and 50 mm behind VP.

