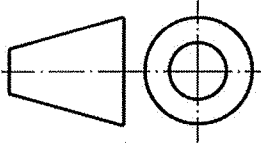## PART – A

I. Answer the following questions in one word or sentence or sketch. Each question carries 1 mark.
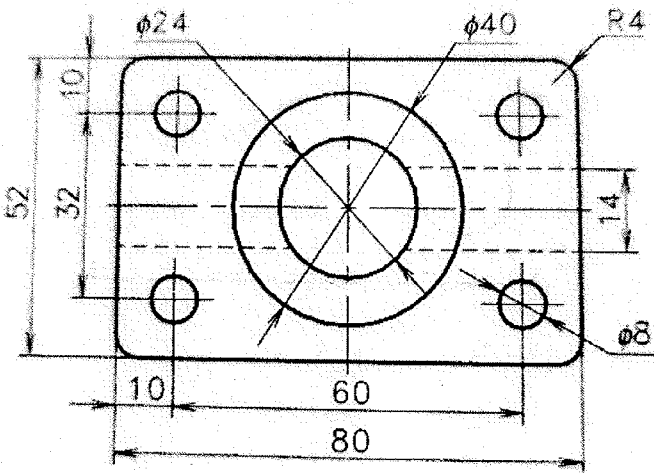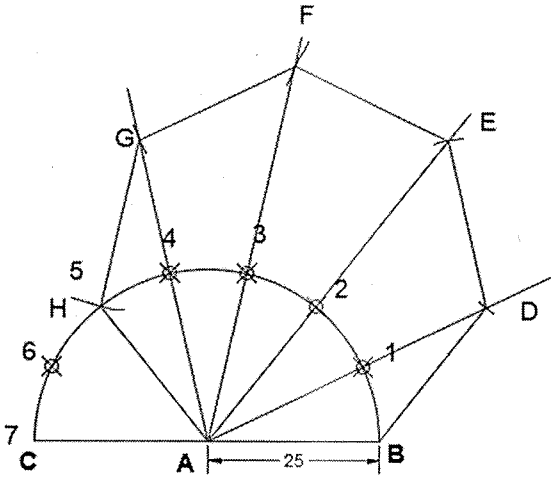
<div align="right">(5x1=5 Marks)</div>

1	A Plain Scale is the simplest scale which shows only two consecutive units such as millimeters and centimeters.	1
2	1 (One)	1
3		1
4	An orthographic projection is a drawing in which a three-dimensional object is represented in two dimensions.	1
5	Center, Radius Center, Diameter 2 – Points 3 – Points **Write any Two (½ + ½)** Tan, Tan, Radius Tan, Tan, Tan	1

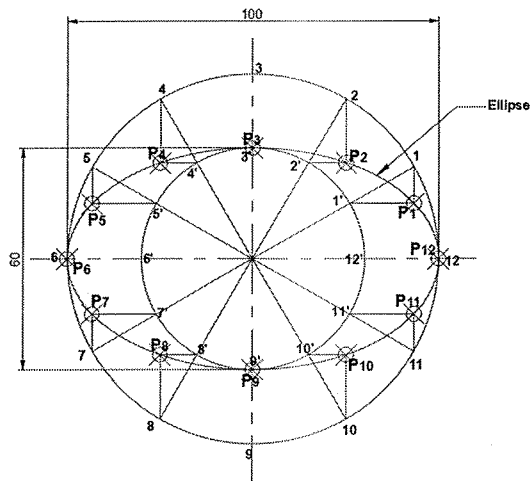## PART – B

II Answer any five questions from the following. Each question carries 8 marks.

<div align="right">(5x8=40 Marks)</div>

1		Drawing – 2 Dimensioning – 6	8
2		Drawing – 4 Dimensioning –2 Labelling – 1 Neatness - 1	8

3		Drawing – 4 Dimensioning –2 Labelling – 1 Neatness - 1	8
4		Drawing – 4 Dimensioning –2 Labelling – 1 Neatness - 1	8
5		Drawing – 4 Dimensioning –2 Labelling – 1 Neatness - 1	8
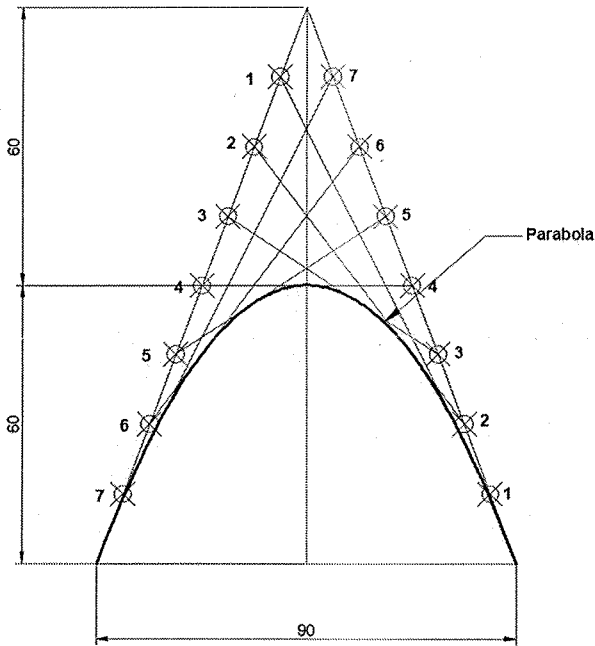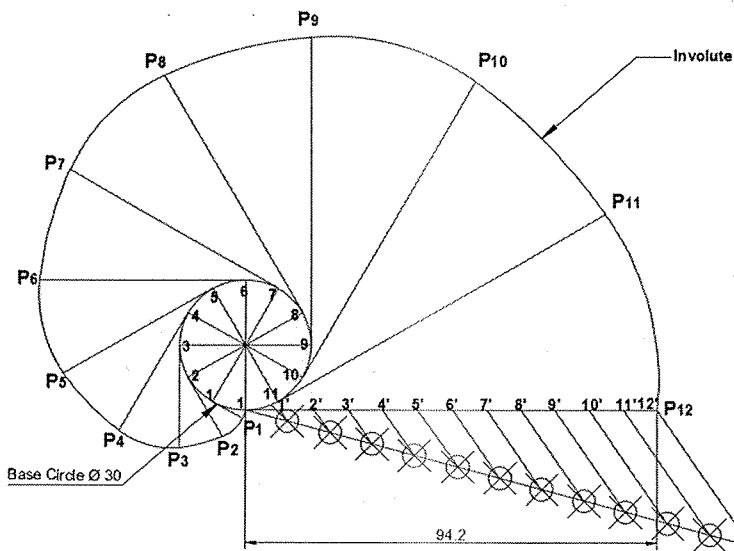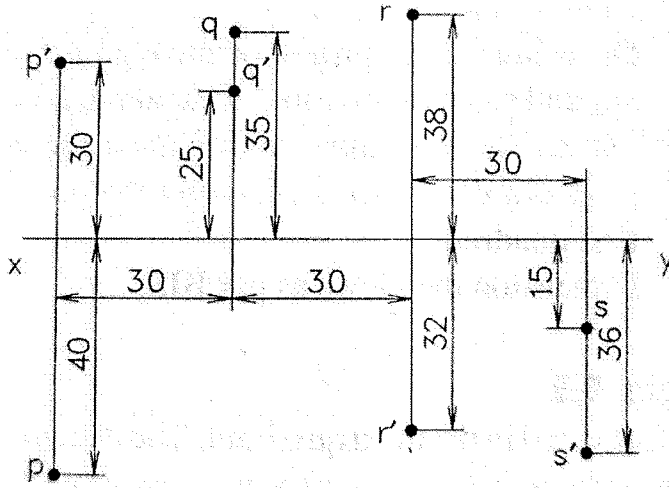
| 6 | | 4 Point – 4
Distance marking –2
Labelling – 1
Neatness - 1 | 8 |
| 7 | | Drawing – 4
Dimensioning –2
Labelling – 1
Neatness - 1 | 8 |

1
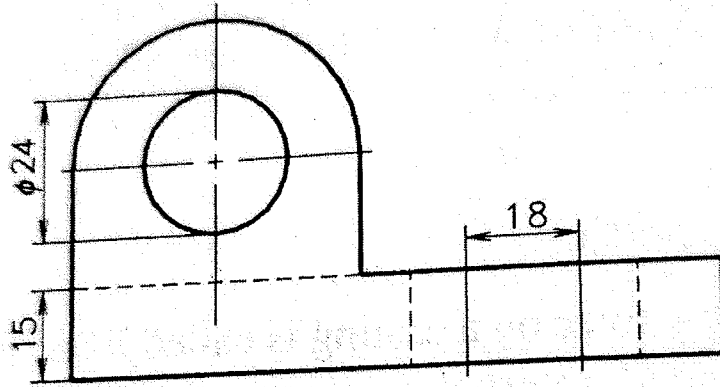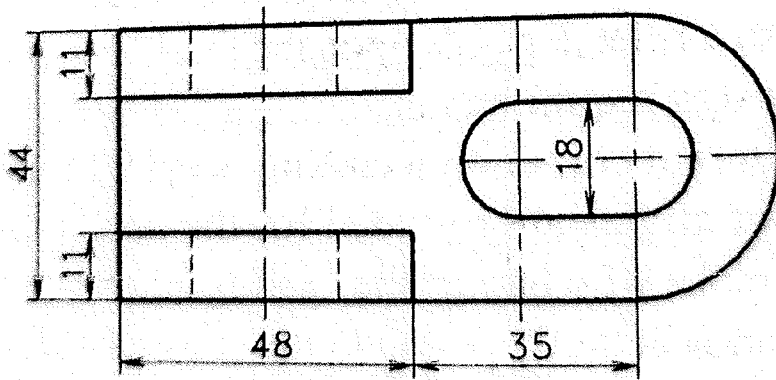
Elevation

Plan

Front View – 7
Top View - 5
Dimensioning – 2
Neatness - 1

15

φ24

15

18

11

44

11

48

35

18

2
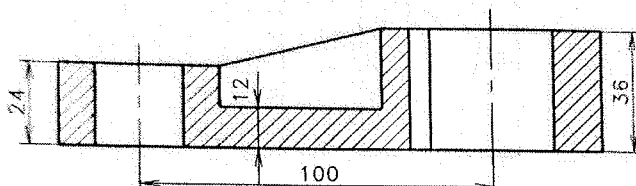
Full sectional elevation (section AA)

24

12

100

36

12 x 6 key way
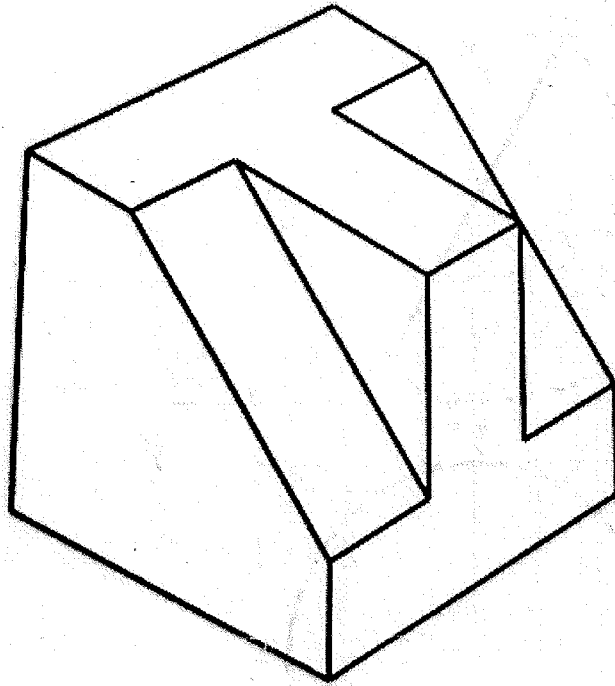
φ24

φ36

φ42

12

φ64

A

A
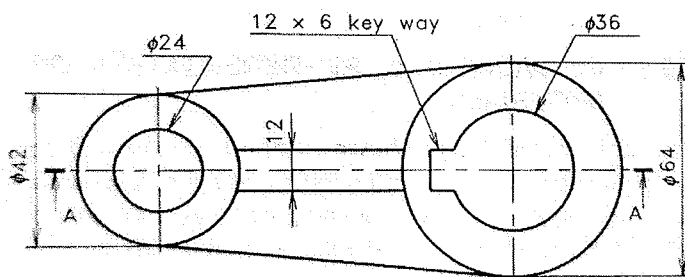
Plan

Sectional Front View – 7
Top View - 5
Dimensioning – 2
Neatness - 1

15

3

Isometric View – 10
Isometric angle line – 2
Dimensioning – 2
Neatness - 1

15