POKHARA UNIVERSITY

Level: Bachelor   Semester: Spring   Year   : 2017
Programme: BE   Full Marks: 100
Course: Engineering Drawing   Pass Marks: 45
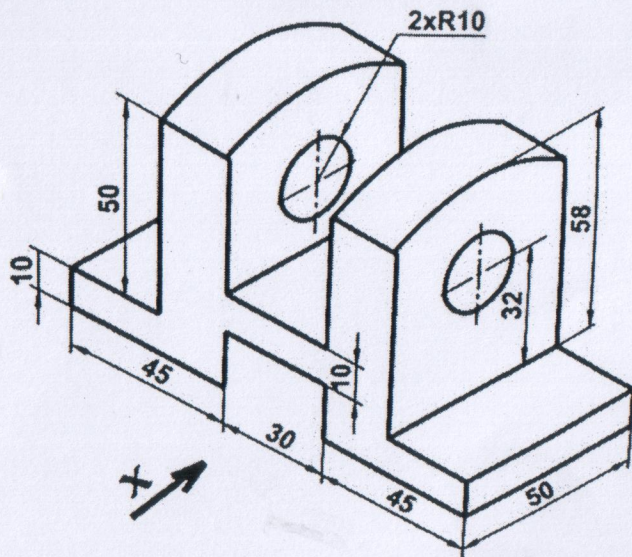   Time   : 3hrs.

Candidates are required to make neat and clear drawings with accurate dimensions.
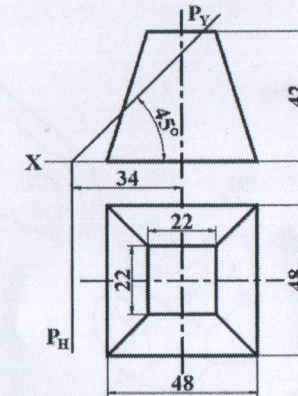
The figures in the margin indicate full marks.

All dimensions are in mm.
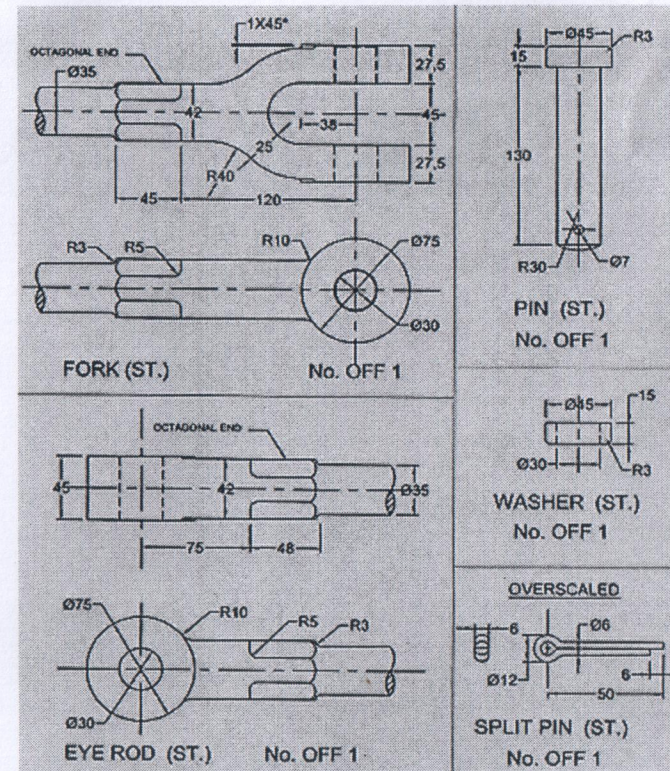
Attempt all the questions.

1. Draw an involute of a circle having diameter of 30 mm.   14
2. A hexagonal plate having negligible thickness of sides 25 mm is perpendicular to the H.P. and inclined to the V.P. at 45°. One side of the hexagon nearest to the H.P. is parallel to the H.P. and 20 mm above from it. The nearest corner to the V.P. is 20 mm in front of it. Draw its projection.   14
3. Draw complete and neat orthographic views of the following figure.   30

4. Draw a complete lateral surface development of the given figure. Also draw a sectional top view and true shape of the given figure.   18

5. Assemble the given parts of Knuckle Joints and draw its full sectional front view.   24

OR

Assemble the given parts of Universal Coupling and draw its full sectional front view.

Details of Universal Coupling

Ø15

M20   R20

56   56

Cross 1 No.   Ø35

Ø55

10   33   30

80

Ø15
Ø30
M20

16
12
12

25   25

Screw 4 Nos.