GREENLAWNS HIGH SCHOOL TERMINAL EXAMINATION YEAR 2017-2018

[3]

SUBJECT: TECHNICAL DRAWING APPLICATIONS

TIME : 3 HOURS

CLASS

MARKS : 100

Instructions:

- o You must attempt three questions from Section A and two questions from Section B.
- o Each Section must be answered on separate paper.
- o All construction lines must be shown.
- o All dimensions are in mm.

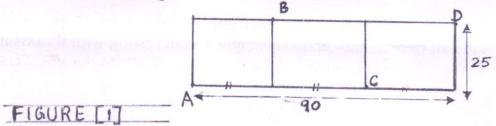
SECTION A (48 Marks) (Attempt any 3)

- Q.1 A line of 2cm in a drawing represents 5metre. Construct a Diagonal scale to measure upto 40 metre showing meter and decimeter.

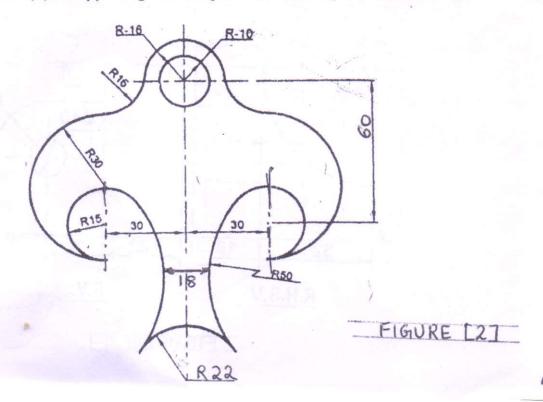
 Using the above scale construct a triangle ABC having base BC = 20.8m,

 AB = 15.3m, AC = 30m. Costruct a parallelogram with one angle = 60° equal in area to the triangle.
- Q.2 a) Refer Figure (1).Draw a continuous arc passing through the points A,B,C,D
 And find the length of the arc ABC by geometrical means.

 Measure and record its length.

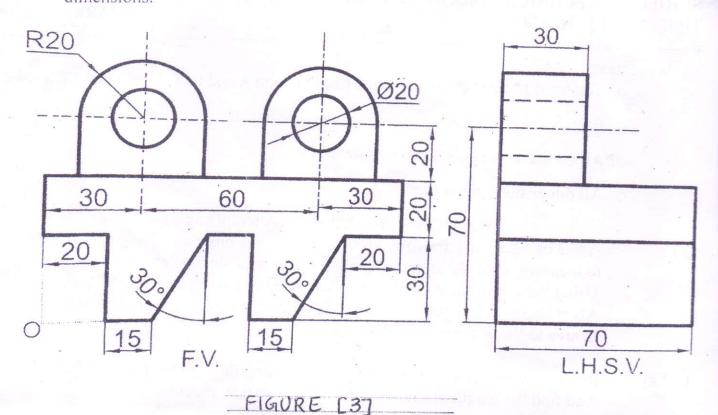


- b) Construct a Parabola having Base length = 150mm and Axis height 90mm (8) using OBLONG Method.
- Q.3 Refer Figure (2). Copy the given template (Insert any six dimensions). (16)



(16)

Q.4 Draw the oblique view of the orthographic projection given in Figure (3) with receding axis at an angle of 45° to the horizontal. Do not insert any dimensions.



Q.5 Draw front view, top view and right hand side view of a square prism of side of base 35mm and axis height 75mm resting with its axis inclined at 60° to the and one side of base is inclined at 30° to the V.P. (USE THIRD ANGLE)

SECTION B (52 Marks)

(Attempt any two questions)

Q 6 Refer Figure (4). It shows front and side view of an object. Draw the isometric view of the object .Use scale 2:1.Insert length, width and height.

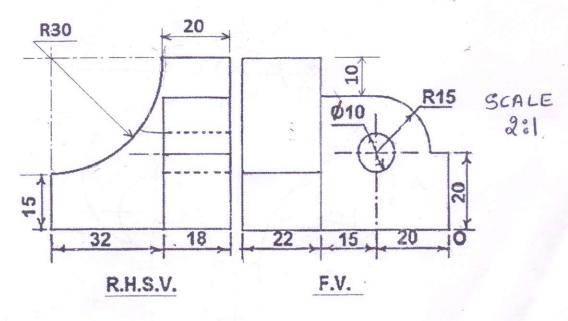


FIGURE [4]

