GREENLAWNS HIGH SCHOOL
TERMINAL EXAMINATION 2022
TECHNICAL DRAWING APPLICATIONS

CLASS   : X

TIME: 2 HOURS

MARKS: 60 marks

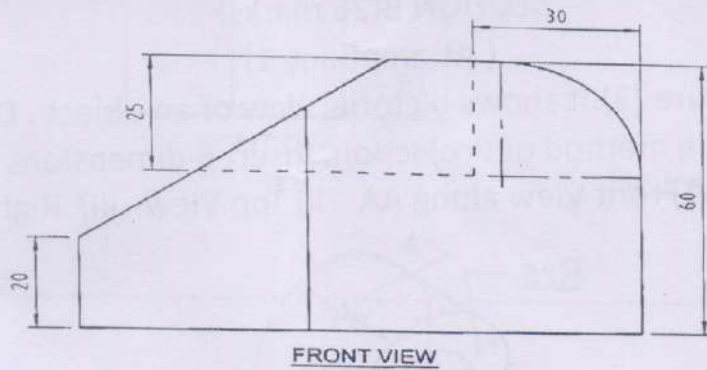
Instructions:

1. Attempt any 2 questions from Section A and any 1 question from Section B
2. Each section must be answered on a separate sheet.
3. All construction lines must be shown.
4. All dimensions in mm unless specified.
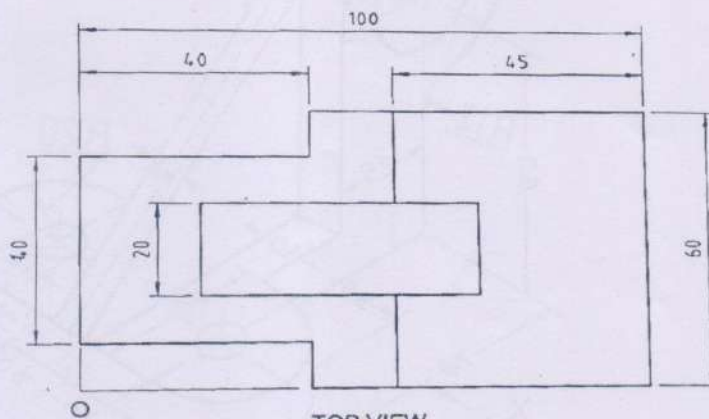5. All questions must be answered in full scale.

Section A (34 Marks)
Attempt any 2

Q.1   Draw F.V, T.V ,L.H.S.V of a Hexagonal pyramid of side of base 30mm   (17)
and Axis height 70 mm resting on a corner on H.P. with axis inclined
at 30º to H.P. and parallel to V.P. One side of base is Parallel to the
V.P. Use First Angle Method of Projection.

Q.2   Refer Figure (1). It shows two views of an Object. Draw the Oblique   (17)
View of the object. Use Receding Angle of 45º(Do not insert dimensions)

FRONT VIEW

TOP VIEW

Figure(1)

p.t.o

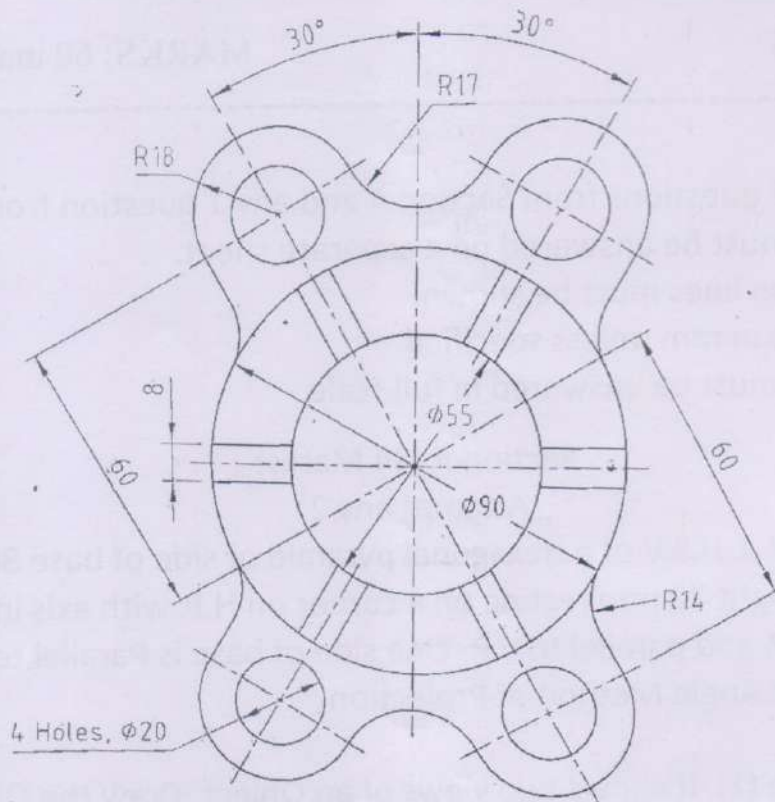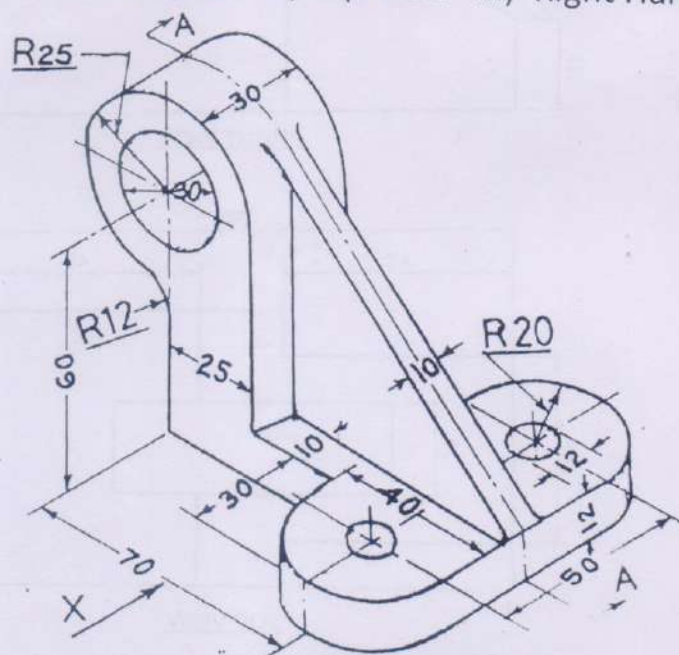Q.3 Refer Figure (2). Copy the given figure. Insert any 6 Dimensions. (17)

Figure (2)

SECTION B(26 marks)
(Attempt any 1)

Q.4   Refer **figure (3)**.It shows pictorial view of an object . Draw using (26)
First Angle method of Projection. Insert 6 dimensions
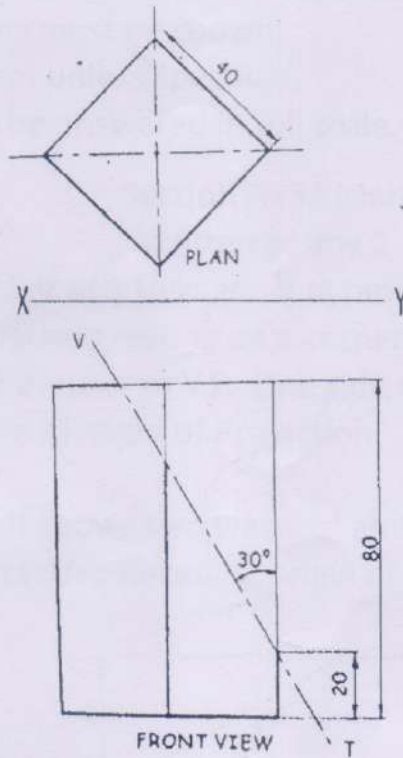i) Sectional Front View along AA   ii) Top View   iii) Right Hand Side View

Figure(3)

p.t.o

Q.5 Figure No .(4) below shows a Square Prism resting on its base (26)
on ground as shown in the figure in Third angle method of projection.
It is cut by a cutting plane as shown in the figure.
Draw   a) Front View   b) Sectional Top view   c)Sectional R.H.S.V
        c) True Shape of Section   d) Development of the retained portion.
Side of base = 40mm , axis height = 80mm

PLAN

X —————————————————————— Y

30°

80

20

FRONT VIEW   T

Figure(4)