	GREENLAWNS HIGH SCHOOL PRELIMINARY EXAMINATION YEAR 2007- 08	
SUBJE TIME	CT : TECHNICAL DRAWING APPLICATION CLAS : 3 HOURS MARK	
	THE EXAMPAPERS. COM	
INSTR	UCTIONS: (EXCESS OF MONTO 32	
Solve a	ny 3 questions from section A and 2 questions from section B.	ganas (C
	ction must be answered on a SEPARATE paper.	
All cons	struction lines must be shown.	
Figures	to the right indicate marks	i ale Villa
All dime	ensions are in mm.	558 10
Follow i	first angle method of Projection unless otherwise mentioned.	
	SECTION A (48 Marks)	
	Attempt any 3	zue (u
Q.1	e de la company de la comp La company de la company d	Petrick to Antick (d
ve kil	n a map, the distance between two points is 14cm. The real distant Netween them is 20 km. Draw a diagonal scale of this map to read Itometres and hectametres and to measure upto 25km. Show a Stance of 17.6km on this scale.	nce (10)
b) Co	onstruct a regular octagon of 40 mm side. Inscribe another octagon the midpoints of the first octagon.	(6)
Q.2. Refe Use	er figure [1]. Draw the oblique view using CABINET method. 45° as the receding angle. Mention length, width, height of the	(16) object
2.3.	A SA STORY OF THE SAME OF THE	no allegations. Microstoss
a) Dra	aw an ellipse having Major axis = 160 mm and minor axis = 90	mm. (8
b) Dra	aw an auxiliary Top view of a cone of radius 25mm and axis 65 g with its axis inclined at 30° to HP and parallel to V.P.	mm (8
).4.		
a) Rei b) An	fer figure [2] copy the given Template. Insert all dimensions near arc AB drawn with 50 mm radius subtends and angle of 45° at t tre. Determine the length of Arc AB and mention it.	tly. (10) the (6)
	are tengal of Arc AD and mention it.	

a) Draw a series of four circles, each touching the preceding circle and two converging lines which makes an angle of 25° between them. Take the radius of the smallest circle as 10 mm. measure the radii of each circle and mention it.

Q.5.

b) Construct a square ABCD whose area is equal to the area of the kite PQRS such that diagonal QS = 40 and PS = PQ = 80 and QR = RS = 40 Measure the side of the square.

SECTION B (52 Marks)

Attempt any two questions

Q.6. REFER Figure [3]. Copy the given isometric view. Insert 10 dimensions. (26) Show all construction work neatly.

Q.7.

- a) Refer figure [4]. It shows the F.V and T.V of a Hexagonal Pyramid (14) of side 30 mm and axis height 75mm. it is cut by a section plane inclined at 45° to V.P. and 10mm away from the axis as shown. Draw
 - i) Sectional Front view
 - ii) Top View
 - iii) Auxilliary Front view showing True shape of the section.

iv) Development of the lateral surface

- b) Refer figure [5]. It shows the F.V. and L.H.S.V of a cylinder of radii = 30mm, axis =100mm in third angle. It is cut by a cutting plane inclined at 30°to H.P as shown. Draw
 - i) Front View
 - ii) Sectional Top view
 - iii) Sectional left hand side view
 - iv) True shape of the section.
- Q.8. Refer figure [6]. It shows the Front View and Top view of an object. Draw the following views.

conveying times which frakes in anste of 35° between them lake the . radius of the smallests, write as 10 app. To assure the radia of each curve

- i) Sectional Front view along A-A
- ii) Sectional Top view along B B

iii) Left hand side view words has some Od I - alve togs M strayer

iv) Insert 10 major dimensions. Souther to have a to wary soil to the

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