MULTIPLE CHOICE QUESTIONS

Q1.	A parallelogram's area and one side are 5450cm² and 200cm respectively. The corresponding altitude is						
	A	27.50cm	**B**	27.25cm	**C**	55cm	**D**	2.725cm

Q2.	A rectangular piece of dimensions 22 cm x 21 cm was cut from a rectangular sheet of paper of dimensions 60 cm x 50cm. The area of the remaining sheet of paper is						
	A	2500 cm²	**B**	3006 cm²	**C**	2538 cm²	**D**	2552 cm²

Q3.	Circumference of a circle is always						
	A	More than three times its diameter	**B**	Three times its diameter	**C**	Less than three times its diameter	**D**	Three times its radius

Q4.	A rectangle park is 45 m long and 30 m wide. A path 2.5 m wide is constructed outside the park. Find the area of the path						
	A	400m²	**B**	440m²	**C**	500m²	**D**	450m²

Q5.	Find the area of a right triangle whose base is 3 cm, perpendicular is 2 cm and the hypotenuse is 5 cm.						
	A	6cm²	**B**	2cm²	**C**	3cm²	**D**	None of these

Q6.	The length of tape required to cover the edges of a semi-circular disc of radius 10 cm is						
	A	62.8cm	**B**	51.4cm	**C**	31.4cm	**D**	15.7cm

Q7.	A door of dimensions 3 m x 2m is on the wall of dimension 10 m x 10 m. Find the cost of painting the wall if the rate of painting is ₹ 2.50 per sq. m.						
	A	₹240	**B**	₹325	**C**	₹235	**D**	₹300

Q8.	The diameter of a bicycle wheel is 28 cm. What distance will it cover in 100 revolutions?						
	A	88cm	**B**	8.0m	**C**	8.8m	**D**	88m

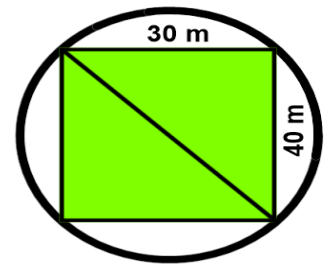| Q9.	A lane 180 m long and 5 m wide is to be paved with bricks of length 20 cm and breadth 15 cm. Find the number of bricks required to pave the lane.						
	A	250000	**B**	90000	**C**	10000	**D**	30000

Q10.	A race track is in the form of a ring whose inner circumference is 352m. and the outer circumference is 396m. Find the width of the track.							
	A	7m	**B**	8m	**C**	9m	**D**	10m

FILL IN THE BLANKS

Q11.	The ratio of the circumference and the diameter of a circle is called_____
Q12.	10000 m² = ………………. hectare.
Q13.	1 m² = …………….. cm².
Q14.	The perimeter of a regular polygon = length of one side × ………………. ..
Q15.	The distance around a circle is its ……………….
Q16.	If a wire in the shape of the square is re-bent into a rectangle, then the …………….. of both shapes remain the same, but …………………. may vary.
	Case Study The Australian Hockey federation organized the friendly Hockey match between India and Australia in their famous stadium which is circular in shape. The income of the match shall be donated to the orphanage center. The rectangular grass turf is spread on the ground as shown in the figure. using π =3.14 30 m · 40 m
Q17.	Find the diagonal of the rectangular turf. (Hint using Pythagoras theorem)
Q18.	Find the circumference of the stadium as the diagonal is its diameter.
Q19.	What is the area of the rectangular ground?
Q20.	Find the area of the stadium.

ANSWERS

1.	B	2.	C	3.	A	4.	A
5.	C	6.	B	7.	C	8.	D
9.	D	10.	A	11.	pie	12.	1
13.	10000	14.	No. of sides	15.	circumference	16.	Perimeter Area
17.	50 m	18.	157m	19.	12,00 m^2.	20.	1962.5m^2