

MATHEMATICS
SAMPLE TEST PAPER (SEMSTER II)
CLASS VII

Class:7

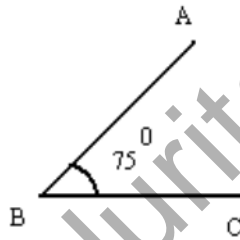
Max Mks:45

Time :2hrs

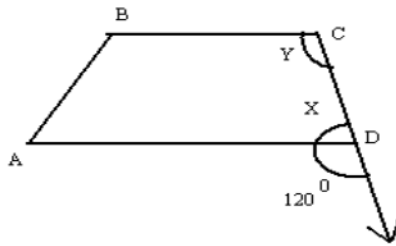
No of pages: 4

General Instructions:

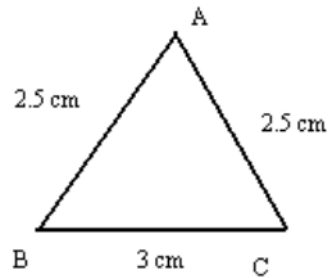
- ▲ All questions are compulsory.
- ▲ Questions 1 to 5 carry 1 mark each.
- ▲ Questions 6 to 10 carry 2 mark each.
- ▲ Questions 11 to 16 carry 3 mark each.
- ▲ Questions 17 to 19 carry 4 mark each.



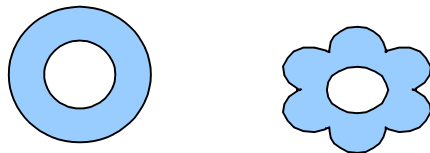
1. The complement of the angle ABC is
(a) 25° (b) 35° (c) 15° (d) 45°
2. circumference of a circle with radius 3.5 cm is
(a) 25cm (b) 35cm (c) 15cm (d) 22cm
3. A cuboid has _____ faces
(a) 2 (b) 3 (c) 1 (d) 6
4. What is the mean of first eight numbers
(a) 8 (b) 9 (c) 10 (d) 7
5. What is the probability of getting head when a coin is tossed thrice a time
(a) 3 (b) 1 (c) 2 (d) 0
6. In the given figure find the value of x and y



7. State the triangle is congruent or not



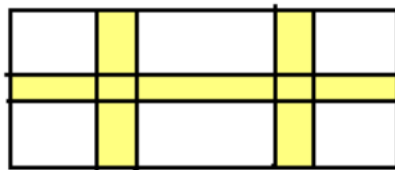
8. Find the number of line of symmetry for the given figure



9. For the given figure find a) the center of rotation b) angle of rotational

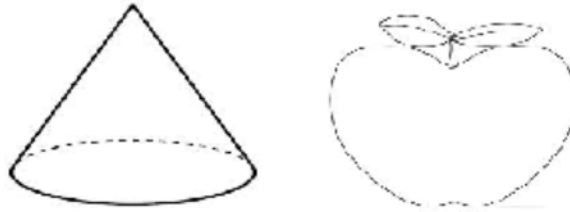


10. Find the area of shaded and unshaded portion



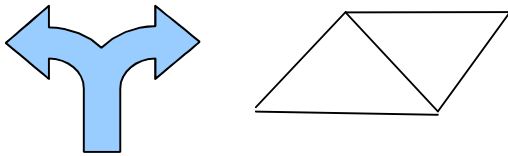
11. A circular path runs around a circular plot. If the circumference of the plot and the path are 44 m and 86 m, find the width of the path.

12. Find the cross section of the figure when you cut vertically and diagonally



13. a) Find the mean of the score 45,42,52,56,48,50,55,63

b) Represent the nets of the solid

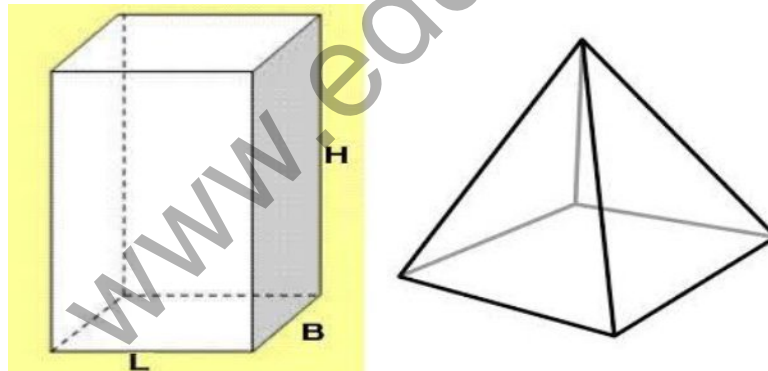


14. What is the probability of drawing a queen of hearts from a deck of cards

15. If one of the angles of a triangle is 85° and the other two angles are in the ratio 5:6, then find the other two angles

16. construct a triangle LMN, $LM = 8 \text{ CM}$, $\angle LMN = 135^{\circ}$, $\angle M = 30^{\circ}$

17. How many faces , vertices, and edges are there in



18. Draw a sketch of a polygon with a rotational symmetry of order 5 and 5 line of symmetry

19. The income and expenditure of family from 1995-1999 is given

a) In which year did the family save the maximum

b) For how many years were their savings equal

Represent the above data using bar graph

Years	1995	1996	1997	1998	1999
Income in Rs	100	140	150	170	210
Expenditure in Rs	80	130	145	160	200

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