PEARSON
edurite

MATHEMATICS
SAMPLE TEST PAPER (SEMSTER II)
CLASS VIII

Class:8 Max Mks:45
Time :2hrs No of pages: 2

General Instructions:

- All questions are compulsory.
- Questions 1 to 5 carry 1mark each.
- Questions 6 to 12carry 2 mark each.
- Questions 13 to 14 carry 3 mark each.
- Questions 15 to 19 carry 4 mark each.

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1. Each interior angle of a polygon is 108^0. how many sides does it have ?

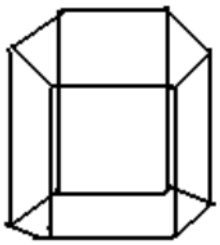
(a) 8 (b) 7 (c)6 (d) 10

2. The diagonal do not necessarily intersect at right angles in a

(a) parallelogram b) rectangle c) rhombus d) kite

3. Area of triangle = _____
4. A die is thrown. What is the probability of getting an even number
5. (a) $\frac{1}{2}$ (b) $\frac{2}{3}$ (c) $\frac{1}{5}$ (d) $\frac{2}{5}$

6. Find the measure of each interior angle of a regular nonagon
7. Three angles of a quadrilateral are equal and the measure of the fourth angle is 1200. Find the measure of each of the equal angles
8. ABCD is a parallelogram AO and BO are the bisectors of angle A and B respectively prove that angle AOB = 90^0
9. Construct a quadrilateral ABCD in which AB = 3.5 cm BC= 3.2 cm CD = 2.7 cm , ,DA= 3.4 cm and angle A = 70^0
10. verify Euler formula for the given figure



11. The rainfall recorded on certain day was 5 cm. Find the volume of water that fell on a 5 hectare fields.
12. The length of a rectangle is 8 cm and each of its diagonals measures 12cm . Find its breadth.
13. A die is thrown in random . Find the probability of getting a) a composite number b) a number less than 3

14. Draw a rhombus whose side is 6.2 cm and one angle is 85^0
15. Find the area of a trapezium whose parallel sides are 24 cm and 22 cm and the distance between them is 15 cm.
16. The daily wages of 20 stores in a market was recorded under: 715,650,660,685,550,530,610,742,680,736,524,500,585,,723,545,532,560,545,625,635 prepare a frequency table class sizes. One such that class is 500-550 where 550 is not included.
17. The marks of a student in different subjects rare given below:

SUBJECT	HINDI	ENGLISH	MATHS	SCIENCE	SOCIAL
MARKS	45	56	80	65	50

18. The following table gives the number of different fruits kept in a hamper

Type of fruit	Mnagoes	Apples	oranges	coconuts	pomegranates
Number	36	30	40	5	20

19. Draw a graph of function $A = x^2$