INTERNATIONAL INDIAN SCHOOL DAMMAM

ANNUAL EXAMINATION (2017-2018)

CLASS	**:**	**VI**	**SET - A**	**MAX.MARKS**	**: 80**
SUBJECT	**:**	**MATHEMATICS**		**DURATION**	**: 3 HOURS**

Instructions :-

1. All the questions are compulsory
2. The question paper consist of 29 questions divided into 4 sections :- Section A, Section B, Section C and Section D
3. Section A contains 5 questions of 1 mark each, Section B contains 6 questions of 2 marks each, Section C contains 9 questions of 3 marks each and Section D contains 9 questions of 4 marks each

SECTION - A (1 X 5 = 5)

Answer the following :

1. The lowest term of ratio 350:750 is_____.
2. A_____ of circle is a line segment joining any two points on the circle.
3. A circle has _____lines of symmetry.
4. The length and breadth of a rectangle are 11cm and 9cm then its area is_____.
5. Sam scores 80 marks in mathematics, "x" marks in science. Total score of two subjects' is_____.

SECTION - B (6 X 2 = 12)

6. Write as fraction in lowest form (a) 0.04 (b)2.75

7. Give expression for:
   (a) 5 times *y* to which 3 is added
   (b) 11 subtracted from the product of 2 and *m*

8. Determine the cost of fencing of a square park of side 60m at the rate of Rs.15 per meter.

9. Find the equivalent fraction of $\frac{3}{4}$ having a
   (a) Numerator 21
   (b) Denominator 48

10. Divide 20 pens between Sheela and Sangeeta in the ratio of 3:2.

11. Construct the angle of measure 120^0using ruler and compass.

SECTION - C (3 X 9 = 27)

12. Solve: (a) $\frac{4x-3}{3} = 7$ (b) $t+\frac{1}{2} = \frac{3}{4}$

13. Add $2\frac{4}{5} + 3\frac{5}{6}$

14. (a) Use number line to add (-2) + 8
    (b) Write the integers between -6 and 6.

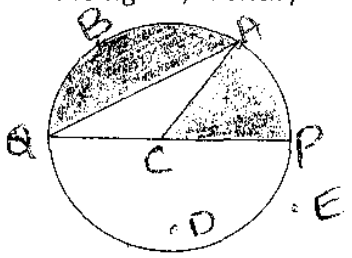
15. A rectangular piece of land measures 0.7 km and 0.5 km. Each side is to be fenced with 4 rows of wire. What is the length of the wire needed?

OR

15. Find the distance travelled by Shaina if she takes 3 rounds of a square park of side 70m.

16. Draw a line XY take any point M on it through M, construct a perpendicular to XY using compass.

17. From the figure, identify



(a) The Centre of the circle (b) a radius
(c) a chord (d) a segment
(e) a diameter (f) a sector

OR

17. Draw a quadrilateral PQRS. State,
    (a) 2 pairs of adjacent sides (b) 2 pairs of opposite sides
    (c) 2 diagonals

18. (a) Subtract 202.54 from 250
    (b) Add 0.75 + 10.425 + 2

19. Cost of dozen pens is Rs.180 and cost of 8 ball pens is Rs. 56. Find the ratio of the cost of a pen to the cost of a ball pen.

20. Add the sum of 111 and (-119) to the sum of (-31) and (-150)

SECTION - D (4 X 9 = 36)

21. Draw circle of radius 5.5cm. Draw any two of its chords. Construct the perpendicular bisectors of these chords. Where do they meet?

OR

21. Construct an angle of measure $135^0$and bisect it using ruler and compass.

22. Write the following fractions in ascending order $\frac{2}{3}$, $\frac{1}{6}$, $\frac{5}{9}$ and $\frac{7}{12}$

23. Find the value of
    (a) 37+ (-2)+ (-65)+ (-8)
    (b) 50- (-40)- (-2)

24. Bob wants to cover the floor of a room 3m wide and 4m long by squared tiles. If each square tile is of side 0.5m, then find the number of tiles required to cover the floor of the room.

25. Cost of 5kg of wheat is Rs 30
    (a) What will be the cost of 8kg of wheat?
    (b) What quantity of wheat can be purchased in Rs 120?

26. Jassy went to market with Rs 1000, she bought a school bag for Rs 275.50 and a lunch box for Rs 95.25. Find the amount left with her?

27. The present age of Ashok is *x*years
    (a) After 5 years, What will be the age of Ashok?
    (b) Ashok's father is 7 years more than 3 times Ashok's age. What is his father's age?
    (c) Ashok's grandfather is 5 times his age, What is the age of his grandfather?
    (d) Ashok's sister is 3 years older than Ashok, What is the age of his sister?

28. Jaidev takes $2\frac{1}{5}$ minutes to walk across the school ground.
    Rahul takes $1\frac{3}{4}$ minutes to do the same. Who takes less time by what fraction?

29. The floor is 5 m long and 4 m wide. A square carpet of sides 3 m is laid on the floor, find the area of the floor that is not carpeted?

All the best