INDIAN SCHOOL SALALAH

SECOND TERM EXAMINATION, 2018-19

Subject: Mathematics   **Time allowed: $2\frac{1}{2}$ hours**

Class: VI   **Max. Marks: 80**

GENERAL INSTRUCTIONS

a) All the questions are compulsory.

b) This question paper consists of 30 questions and 4 printed pages.

c) Section A contains 6 questions of 1 mark each. Section B contains 6 questions of 2 marks each. Section C contains 10 questions of 3 marks each. Section D contains 8 questions of 4 marks each.

SECTION.A

Question numbers 1 to 6 carry 1 mark each.

1. Write four negative integers greater than (-10).

2. Give expressions for the following:

   a) 8 is subtracted from (- y).

   b) 'p' is multiplied by 5.

3. Name the three dimensional shape. How many faces does it have?

4. Write as decimals.

   a) Four hundredths.   b) $\dfrac{3}{5}$

5. Find an equivalent fraction of $\dfrac{4}{7}$ having denominator 28.

6. Check whether the ratios 8 : 6 and 4 : 3 form a proportion?

SECTION.B

Question numbers 7 to 12 carry 2 marks each.

7. The area of a rectangular floor of width 9 m is 126 sq m. Find the length of the floor.

8. Find the sum :   (- 24) + (- 25) + 32 + 45

9. Find the ratio of the following:

   a) 27 to 45   b) 30 minutes to 1 hour.

10. Ram walks $\frac{7}{8}$ km to school. Mohan walks $\frac{5}{6}$ km to school. Who walks more distance to school?

11. Name the triangles in two different ways. (Based on sides and angles).
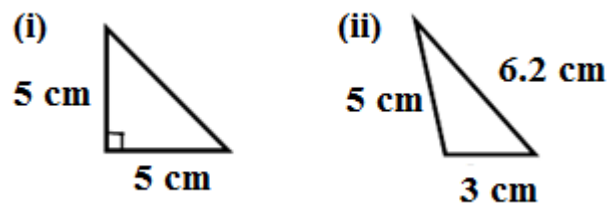
12. Draw a line AB. Mark a point 'P' on it. Through 'P' draw a perpendicular to line AB using ruler and compasses.

SECTION.C

Question numbers 13 to 22 carry 3 marks each.

13. Answer the following questions.

   a) Which direction will you face if you start facing east and make $\frac{3}{4}$ revolution anticlockwise?

   b) Where will the hour hand of a clock stop if it starts at 5 and turns 1 right angle?

   c) What is the angle name given for half a revolution?

14. What is the cost of fencing a square park of side 125 m at the rate of Rs 35 per metre?

15. Answer the following questions:

   a) Write   0. 25 as a fraction in the lowest terms.

   b) Express 375 paise as rupees using decimals.

   c) Write the given decimal in words: 89. 24

16. Solve: $4\frac{1}{3}$ - $3\frac{2}{5}$

17. Using a number line find the following integers.

    a) 5 more than (- 3)

    b) (+2) + (- 7)

18. Pick out the solution from the values given in the bracket. Show that the other values do not satisfy the equation.

    m - 3 = 5   (8 , 3, - 2)

19. Raju purchased 4 kg 875 g potatoes, 2 kg 95 g Onions and 750 grams cashew nuts. Find the total weight of the items in kilograms.

20. The price of 6 kg 'India Gate Basmati Rice' is ₹ 570. What is the price of 24 kg rice?

21. Present age of father is 36 years and that of the son is 6 years. Find the ratio of

    a) Present age of father to the present age of son.

    b) Age of father to the age of son when son was 5 years old.

22. Draw a circle of radius 3 cm. Draw a chord AB. Construct the perpendicular bisector of AB.

SECTION.D

Question numbers 23 to 30 carry 4 marks each.

23. Fill in the blanks by writing the suitable algebraic expressions.

    a) Cadets are marching in a parade. There are 9 cadets in each row. The total number of cadets in 'm' number of rows is given by _____.

    b) Namitha thought of a number 'p'. She multiplied it by 6. Then she added 7 to the product. The final result is _____.

    c) The length of a rectangle is 'a'cm. The breadth is 8 cm less than the length. Therefore the breadth of the rectangle is _____.

    d) On her birthday Anjali distributes 'y' number of chocolates in her class and still 15 chocolates remain with her. The number of chocolates she had in the beginning were_____.

24. a) Name the following quadrilaterals. Mention two points of difference between the two.

(i) 　(ii)
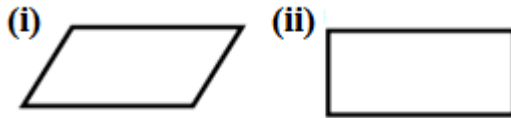
   b) Draw a pentagon and draw its diagonals.

25. Preethi cuts 16.50 m, 32.75m and 48.50 m rope from a bundle of rope of length

   100 m.

   a) How many metres of rope in all did she cut?

   b) How many metres of rope is left with her?

26. a) Solve the following and fill in the blank with >,< or = sign.
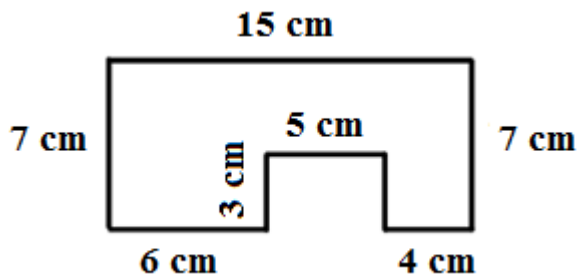
      +9 + (- 18)   ---------------   (- 7) – (+8)

   b) Find : 70 – (- 45) – (+ 35) +15

27. Arpita spent $2\frac{5}{6}$ hours on Saturday and $1\frac{3}{4}$ hours on Sunday planting saplings.

   What is the total number of hours did she spend to plant saplings?

28. Split the following shape into rectangles and find its area.

29. In a school out of 3800 students, 2400 are girls. Find the ratio of:
   a) Number of boys to number of girls .
   b) Total number of students to the number of girls.

30. Construct the following angles using ruler and compasses.
   a) 90° b) 30°

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