



INDIAN SCHOOL SOHAR
TERM II EXAMINATION (2018-2019)
MATHEMATICS

CLASS : VI**DATE : 05/03/2019****MAX. MARKS: 80****DURATION : 3 HRS****General Instructions:**

All questions are compulsory. The question paper consists of 30 questions divided into four sections A, B, C & D. Section A comprises 6 questions each carries 1 mark, Section B comprises 6 questions of 2 marks, Section C comprises 10 questions of 3 marks & Section D comprises 8 questions of 4 marks.

Do the calculations in the working column. Give necessary formulae and steps wherever required.

SECTION A

1. Write the integer 7 more than -7 .
2. If $3n = 21$, then find the value of n .
3. Write the simplest form of the ratio $35:49$.
4. Find the perimeter of an equilateral triangle with each side measuring 5 cm.

OR

Find the side of a square whose perimeter is 48 cm.

5. What fraction of a day is 3 hours?

OR

Express $\frac{11}{3}$ as a mixed fraction.

6. Express $200 + 40 + 7 + \frac{1}{10} + \frac{5}{1000}$ as a decimal.

SECTION B

7. Represent the following numbers as integers.
 - (a) Withdrawal of 500 rupees.
 - (b) A height of 2000 meter above the sea level.

OR

Find the value of $(-1) + 5$ using number line.

8. Madhu bought a pen for ₹ 18.75 and a geometry box for ₹ 46.90. How much money did she spend?

9. The number of pencils with students in a class of 20 is as below.

1, 2, 3, 1, 2, 2, 3, 4, 1, 2

1, 1, 2, 3, 3, 3, 1, 2, 1, 1

Make a frequency distribution table using tally marks.

10. Construct \overline{AB} of length 5.5 cm using ruler and compasses.

OR

Construct 120° angle using ruler and compasses.

11. Compare $\frac{5}{6}$ and $\frac{11}{15}$.

12. Find the equivalent fraction of $\frac{36}{48}$ with:

(a) Numerator 6 (b) Denominator 4

SECTION C

13. A line segment 56 cm long is to be divided into two parts in the ratio of 2:5. Find the length of each part.

14. In Class VI, 30 students out of 50 passed in first class; in Class VII, 35 students out of 60 passed in first class. In which class was a greater fraction of students getting first class?

15. Shihab pays ₹ 6500 as rent for 5 months. How much does he has to pay for a whole year, if the rent per month remains same?

OR

Determine if 33, 44, 75 and 100 are in proportion or not.

16. Compare $50 - (-65)$ and $(-42) + 55$

17. Out of 16 parts of an apple, my mother gave me 10 parts, 4 parts were given to my brother and rest was given to my sister. How much fraction did each one of them get?

OR

A ribbon $\frac{12}{15}$ m is cut into two parts. If one part is $\frac{3}{5}$ m long, then what is the length of other part?

18. Find the cost of fencing a rectangular park of length 175 meter and breadth 125 meter at the rate of ₹ 50 per meter.

19. Write the algebraic expressions for the following.

(a) 10 added to $2n$.

(b) 5 subtracted from $3n$.

(c) $-p$ divided by 5 and the result is added to 10.

20. (a) Find: $280.69 + 37.5 - 105.5$ (b) Express 15 kg 9 gm as kg.

OR

Tina had 20 m 5 cm cloth. She cuts 4 m 50 cm length of cloth for her skirt and 2 m 5 cm cloth for shirt. How much cloth is left with her?

21. (a) Find the area of a square whose side is 15 m.
(b) Find the perimeter of a rectangle whose length and breadth are 150 m and 75 m respectively.
22. Complete the table and find the solution of the equation $p - 5 = 3$

p	5	6	7	8	9
$p - 5$					

SECTION D

23. Rajesh travelled 18 km 268 m by bus, 8 km 8 m by car and 700 m on foot in order to reach his school. How far is his school from his residence?
24. Out of a total of 1450 students in a school, 1000 went for the picnic. Find the ratio of:
- (a) Students who went for the picnic to total students.
(b) Students who didn't go for the picnic to those who went for the picnic.
(c) Students who went for the picnic to those who didn't go for the picnic.
25. Mohan wants to cover the floor of room 4 m wide and 5 m long by squared tiles. If each square tile is of side 0.5 m, then find the number of tiles required to cover the floor of the room.

OR

Pinky runs around a square field of side 75 m, Twinkle runs around a rectangular field with length 170 m and breadth 95 m. Who covers more distance and by how much?

26. The following table shows the number of teams in a sports competition.

Sport	Cricket	Hockey	Football	Badminton	Tennis
No. of teams	15	18	14	5	7

Represent the data on a bar graph using the scale, 1 unit length = 2 teams.

OR

The following table shows the number of books issued in a school library on 6 days of a week.

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
No. of books	50	25	40	35	60	45

Represent the above data by pictograph using the scale, 1  = 10 books

27. With \overline{PQ} of length 6.5 cm as diameter, draw a circle.

OR

Construct a 45° angle using ruler and compasses.

28. Find: $2\frac{4}{5} + 3\frac{2}{15} - \frac{2}{3}$

29. A floor is 7 m long and 4 m wide. A square carpet of side 4 m is laid on the floor. Find the area of the floor not covered with the carpet.

30. Solve $2x + 1 = 9$ by trial and error method.

OR

If Lalita's present age is y years,

(a) What will be her age 7 years from now?

(b) What was her age 4 years back?

(c) Lalita's grand father is 8 times her age. What is the age of her grandfather?

(d) Lalita's father's age is 10 years more than 7 times her age. What is her father's age?

*****The End*****