INDIAN SCHOOL AL WADI AL KABIR

Pre-Mid-Term Examination (2024-25)

Sub: MATHEMATICS

Class: VII | Max Marks: 30

Date: 30/05/2024 | Set - I | Time: 1 hour

Instructions:

Section A: Multiple Choice Questions (Q.1 to Q.8)

Section B: Source-based questions (Q.9 to Q.12)

Section C: Long Answer Questions (Q.13 to Q.16)

Section D: 4 Marks question & Case-study (Q.17 to Q.18)

NOTE: This question paper consists of 03 printed pages.

Section A: **Multiple Choice Question (Q.1 to Q.8) of 1 mark each**								
1.	Find the product of $\frac{2}{5}$ and 3.							
	A	$1\frac{1}{5}$	**B**	$1\frac{2}{5}$	**C**	$3\frac{1}{5}$	**D**	$3\frac{2}{5}$
2.	What is the mode in this set of numbers? 7, 14, 20, 3, 7, 3, 2, 14 and 7							
	A	3	**B**	7	**C**	14	**D**	2
3.	The weight of a box of Mangoes is 5.250 Kg. Find the weight of 100 such boxes.							
	A	5.15 kg	**B**	520.25 kg	**C**	525.0 kg	**D**	105.25 kg
4.	Laren had 72, 94, 108, 60 and 125 test run scores against the England cricket team. What is the RANGE of his test run scores?							
	A	72	**B**	65	**C**	53	**D**	60
5.	A bus can cover 52.5 km in one hour. How much distance can it cover in 5 hours?							
	A	262.5 km	**B**	225.5 km	**C**	229.5 km	**D**	25.25 km

6.	600 + 2 + $\frac{7}{10}$ + $\frac{4}{100}$ can be written in decimal form as:						
	A	600.74	**B**	620.74	**C**	602.74	**D**	60.274
7.	Sam gave a wooden board of length $\frac{6}{5}$ m to a carpenter for making a shelf. The carpenter sawed off (cut off) a piece of $\frac{1}{3}$ m from it. What is the length of the remaining piece of wood?						
	A	$\frac{7}{8}\ m$	**B**	$\frac{6}{8}\ m$	**C**	$\frac{6}{15}\ m$	**D**	$\frac{13}{15} m$
8.	The reciprocal of $2\frac{1}{5}$ is						
	A	$\frac{5}{11}$	**B**	$\frac{2}{5}$	**C**	$\frac{11}{5}$	**D**	$\frac{3}{5}$

Section B: **Source-based questions (Q.9 to Q.12) of 1 mark each**

The table below gives the data of the approximate number of tourists who visited hill stations over two consecutive years in the summer season. Study the table and answer the following questions:

Hill Stations	**Nainital**	**Shimla**	**Manali**	**Mussoorie**
2008	40,000	52,000	37,000	58,000
2009	48,000	45,000	42,000	62,000

9.	Which hill station was visited by the maximum number of tourists in 2008?						
	A	Nainital	**B**	Mussoorie	**C**	Shimla	**D**	Manali
10.	How many more tourists visited Manali in 2009 as compared to 2008?						
	A	7,000	**B**	10,000	**C**	5,000	**D**	8,000
11.	Calculate the total number of tourists who came to Shimla in the two years.						
	A	97,000	**B**	45,000	**C**	75,000	**D**	85,000
12.	Find the ratio of the number of tourists who visited Nainital in 2008 to the number of tourists who visited in 2009.						
	A	5:4	**B**	6:5	**C**	4:5	**D**	5:6

Section C: Long Answer Questions (Q.13 to Q.16)

13. Preethi mix $\frac{5}{4}$ spoons of sugar in one cup of coffee. How many spoons of sugar will she require to make $\frac{24}{5}$ cups of coffee? (2m)

14. The perimeter of a square is 120.4 cm. Find the length of a side of the square. (2m)

15. A sweet shop consumes 30.5 litres of milk in the morning and 40.7 litres in the evening. If the cost of milk is ₹40.5 per litre, find the total cost of milk a day. (3m)

16. The speeds of 9 two-wheelers are given below to the nearest km per hour. (3m)

45, 65, 56, 67, 72, 65, 65,42 and 45.

(i) Calculate the mean speed of the two-wheelers.

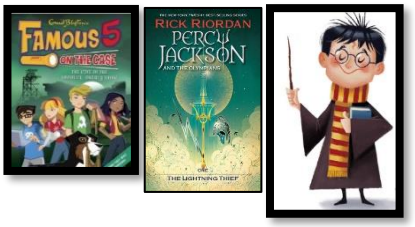
(ii) Find the median of the given observations.

Section D: Long Answer Question of 4 marks & Case study (Q.17 & Q.18)

17. Draw a double bar graph by choosing an appropriate scale to show the sales of Jeans and T-shirts in a readymade garment shop during the festive season. (4m)

Product\Month	October	November	December	January
Jeans	450	350	650	800
T-Shirts	550	450	500	425

18. **Case Study:** In a student book club, there are 240 members. Out of the total members, $\frac{5}{8}$ enjoy reading 'Percy Jackson' books, $\frac{1}{8}$ enjoy reading 'Famous Five' books and the remaining like reading 'Harry Potter' books.



Based on the above information answer the following questions:

(i) How many students like to read 'Percy Jackson' books? (1m)

(ii) How many students like to read 'Famous Five' books? (1m)

(iii) What fraction of the total number of students like to read 'Harry Potter' books? (2m)
