



## **MATHEMATICS**









4<sup>th</sup> TO 10<sup>th</sup> Rank Rs 1100

+ Certificate of Excellence

11<sup>th</sup> TO 50<sup>th</sup> Rank Wrist Watch



+ Certificate of Excellence

## Instructions

Time: 1 hour Maximum Marks: 50

- 1. Maximum Time is 1 hour & You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of
- 2. Write your Name, School Code, Class, Roll No. and Mobile Number clearly on the OMR Sheet and do not forget to sign it.
- 3. The Question Paper comprises four sections: Mathematical Reasoning (5 Questions), General Maths (15 Questions), Logical Reasoning (10 Questions) and Wise Wizard (10 Questions). Each question in Wise Wizard carries two marks each, whereas all other questions carry one mark each.
- All questions are compulsory. There is no negative marking. Use of calculator is not permitted. 4.
- 5. To mark your choice of answers by darkening the circles on the OMR Sheet, use HB Pencil or Blue / Black ball point pen

Roll No					
Student Name					
Father's Name					

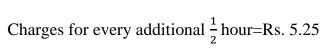
## SECTION - A (MATHEMATICAL REASONING)

Q1.	If I add the number then the sum is odd		gon has to the numbe	r of sides that ahas,		
	a. Hexagon	b. Cube	c. Pentagon	d. Rectangle		
Q2.	50+ 30×20+20×0=					
	a. 10	b. 120	c. 650	d. 1500		
Q3.	My elder brother is my older brother?	6 years older than I	am, and the sum of o	our ages is 30. How old is		
	a. 22	b. 35	c. 18	d. 31		
Q4.	If I double and then subtract 50, I get 160.					
	a. 150 b. 100		c. 50	d. 105		
Q5.		If I spend 6 coins a date exactlycoi	•	ger do so, at the end of one of		
	a. 9	b. 8	c. 11	d. 13		
		SECTION - B (G	ENERAL MATH	$\mathbf{S}$ )		
Q6.	Which one of the f	ollowing expressions	will give the smaller	st value among all?		
	<ul> <li>a. 4×3+2-1</li> <li>b. 1×4+2-3</li> <li>c. 3×1+4÷2</li> <li>d. 3×2-4÷1</li> </ul>					
Q7.		of two digits and the real. If the difference of	•	reversing the digits of the number is		
	a. 62	b. 73	c. 84	d. 51		
Q8.	How many $\frac{1}{16}$ 's ma	$\frac{1}{4}$ ?				
	a. 26	b. 52	c. 24	d. 39		
Q9.	Divide 31.64 by the difference of 98 tenths and 580 hundredths the quotient is					
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Q	10.	Which of the following is a better buy?							
		<ul><li>a. 6 apples for `30</li><li>b. 4 apples for `1</li><li>c. 5 apples for `2</li><li>d. 8 apples for `4</li></ul>	6 25						
Q	11.	A recipe needs sug how much sugar is		tio 1:3. If 750 grams	of flour is used in the recipe				
		a. 500 grams	b. 250 grams	c. 700 grams	d. 200 grams				
Q	12.	Find the average of 12,18,25,45							
		a. 4	b. 25	c. 100	d. none of these				
Q	13.	There are 500 studenumbers of boys ar		nich 36% are girls. Th	ne difference between the				
		a. 140	b. 120	c. 180	d. 320				
Q	14.	14. Which one of the following is not a composite number?							
		a. 92	b. 97	c. 57	d. 104				
Q	15.	How many chords	and radii have been s	shown in the given ci	rcle?				
		a. 6,5	b. 5,7	c. 5,2	d. 2,5				
Q	16.	The area of square is equal to the area of a rectangle of length = 8cm and breath = 2cm. What is the side of the square?							
		a. 6 cm	b. 4 cm	c. 3 cm	d. 8 cm				
Q	17.	Which of the following decimals is equivalent to 0.8%?							
		a. 0.008	b. 0.08	c. 0.0008	d. 8				
Q	18.	Which specific term number itself, is eq		aber, whose sum of al	l the factors, except the				
		a. Prime number		b. Composite numb	per				
		c. Perfect number		d. Even number					
				3					

Q19. Kirti rented a scooty for 330 minutes. How much did she pay for it?

Charges for first hour= Rs. 8.75



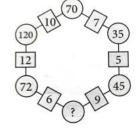


- a. Rs. 56
- b.Rs. 49
- c. Rs. 48.75
- d. Rs. 55.25
- Q20. Two wires of length 78cm and 114 cm, respectively are to be cut into pieces of the same length without leaving any remainder. Find the greatest possible length of the pieces.
  - a. 12 cm
- b. 4 cm
- c. 6 cm
- d. 8 cm

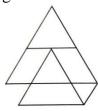
## **SECTION - C (LOGICAL REASONING)**

Q21. Which one of the following numbers will replace the question mark(?) in this magic

hexagon?



- a. 63
- b. 54
- c. 30
- d. 60
- Q22. How many triangles are there in the given figure?



- a. 5
- b. 7

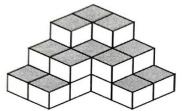
c. 6

d.4

Q23. Take



as one cube and then count the number of cubes in the given solid.

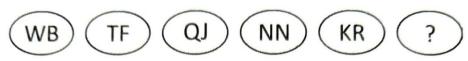


- a. 22
- b. 23
- c. 21
- d. 20

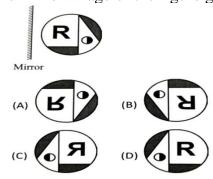
Q24. Find the values of X and Y respectively, If each number is the sum of the two numbers directly below it.



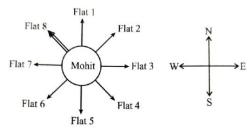
- a. 4 and 7
- b. 5 and 6
- c. 4 and 6
- d. 3 and 7
- Q25. Find the next pair of letter in the series given below.



- a. HV
- b. IV
- c. HU
- d. IU
- Q26. Find the mirror image of the figure given below.



- Q27. Mohit is facing flat 8 as shown below. To face flat 3, Mohit has to turn:
  - a.  $270^{\circ}$  anti clockwise
  - b. 225° clockwise
  - c. 315° clockwise
  - d. 225° anti-clockwise



- Q28. In a certain code language, "pen" is called "pencil", "pencil" is called "eraser" and "eraser" is called "book", then what will be used to erase something?
  - a. pen
- b. pencil
- c. eraser
- d. book
- Q29. If H = 9, HE = 14 and HEN = 28, then HENT = ?
  - a. 47
- b. 48
- c. 46
- d. 49

Q30.	30. Shweta is standing in a row. If she is 14 <sup>th</sup> from left end and 8 <sup>th</sup> from right end, how many people are standing in the row?						
	a. 23	b. 20	c. 22	d. 21			
		SECTION - D	(WISE WIZARD)				
Q31.	. How many numbers containing 7 in their tens place are there between 600 to 900?						
	a. 30	b. 27	c. 40	d. 36			
Q32. The length of a rectangular field is 1 m more than thrice its breadth. If the perimeter of the field is 162m, then find the area of field?							
	a. $840m^2$	b. 1660m <sup>2</sup>	c. 1220 m <sup>2</sup>	$d. 4800m^2$			
Q33.	Q33. A herd of cows gives 4 litres of milk each day. But each cow gives one –third of total milk each day. They give 24 litres milk in six days. How many cows are there in the herd?						
	a. 4	b. 5	c. 6	d. 3			
Q34.	1. Take away one –hundredths seven times from 1 and find the remainder.						
	a. 0.43	b. 0.93	c. 0.7	d. 0.3			
Q35.	Q35. A and B are two fractions. When twice of A is subtracted from B we get $\frac{12}{25}$ . If $B=\frac{3}{4}$ , find the value of A +B						
	a. $\frac{181}{30}$ b	c. $\frac{277}{200}$ c. $\frac{20}{27}$	<u>0</u> 7	d. $\frac{177}{200}$			
Q36.	Q36. By how much the smallest four digit number, which is divisible by 7, is greater than its previous four digit number?						
	a. 3	b. 2	c. 1	d. 0			
Q37. I	Q37. How many more boxes must be shaded so that $\frac{1}{3}$ of the figure is shaded?						

c. 2

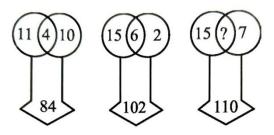
d. 6

b. 3

a. 1

- Q38. 2 + 2 = 17 and 2 > 7 but 2 < 9 if 2 stands for natural number, then find 2 .
  - a. 13
- b. 11
- c. 9

- d. 4
- Q39. Which one of the following will replace the question mark in the figure?



a. 8

b. 3

c. 5

- d. 11
- Q40. The sum of two numbers is 315 and their difference is  $\frac{1}{9}$  of their sum. Find the HCF of the numbers.
  - a. 25
- b. 35
- c. 45
- d. 65

Chaos for monch month
Space for rough work
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