INDIAN SCHOOL AL WADI AL KABIR

Pre-Mid-Term Revision (2025-26)

Class: VIII Sub: MATHEMATICS Max. Marks: 30

Instructions:

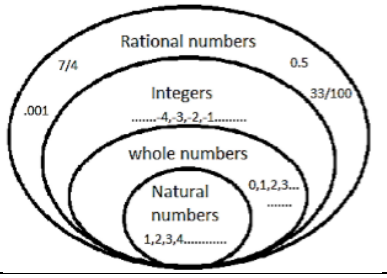
Section A: Multiple Choice Questions (Q.1 to Q.8)

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 Question (Q.17 to Q.18).

Section A: Multiple Choice Question (Q.1 to Q.8) of **1** mark each								
1.	The multiplicative inverse of 5^{-5} is:							
	A	5^5	**B**	$(\frac{1}{5})^{-5}$	**C**	5^{-5}	**D**	1
2.	The value of 'm' in the equation, 4m – 12 =20 is:							
	A	0	**B**	5	**C**	8	**D**	10
3.	Write the equation corresponding to the given statement: "Two times the sum of a number and 6 is 18"							
	A	$x + 6 = 18$	**B**	$2x + 18 = 6$	**C**	$2x - 6 = 18$	**D**	$2x + 6 = 18$
4.	The standard form 0.00000987							
	A	9.87×10^{-6}	**B**	98.7×10^{-6}	**C**	9.87×10^{-5}	**D**	9.87×10^{6}
5.	The value of $(\frac{1}{2})^{-2} + (\frac{1}{3})^{-1}$ is:							
	A	10	**B**	7	**C**	5	**D**	0
6.	Which of the following number has same multiplicative inverse?							
	A	-2	**B**	0	**C**	-1	**D**	2

7.	The standard form of $\frac{72}{-216}$ is:							
	A	$\frac{8}{-16}$	**B**	$\frac{-1}{3}$	**C**	$\frac{8}{16}$	**D**	$\frac{9}{-16}$
8.	Simplify: $[(\frac{7}{11})^{25} \div ((\frac{7}{11})^{3})^{8}]$							
	A	$\frac{49}{121}$	**B**	$\frac{11}{7}$	**C**	$\frac{7}{11}$	**D**	$(\frac{7}{11})^{3}$
	Section B: Source based questions (Q.9 to Q.12) of 1 mark each As per the definition of a rational number, $\frac{p}{q}$ is a rational number if p and q are integers and $q \neq 0$. For the rational numbers, answer the following:  							
9.	The rational number _____ has no reciprocal.							
	A	0	**B**	1	**C**	2	**D**	$\frac{1}{2}$
10.	The reciprocal of a positive rational number is a _____							
	A	Negative rational number	**B**	Positive rational number	**C**	Both A & B	**D**	None of these
11.	Name the property used in $1 \times \frac{5}{7} = \frac{5}{7} \times 1 = \frac{5}{7}$							
	A	Associative property	**B**	Distributive property	**C**	Multiplicative inverse	**D**	Multiplicative identity
12.	Find the value of $\frac{2}{-3} \times \frac{5}{4} \times \frac{-12}{25}$							
	A	$\frac{2}{5}$	**B**	$\frac{-2}{5}$	**C**	$\frac{10}{12}$	**D**	1

Section C: Long Answer Questions (Q13 to Q.16)	
13.	Twice a number increased by 5 equals 19. Find the number. (2m)
14.	Find the value of p: $(\frac{3}{5})^{2p} \times (\frac{3}{5})^{-5} = (\frac{3}{5})^{7}$ (2m)
15.	Insert any 4 rational numbers between $\frac{-3}{4}$ and $\frac{-5}{6}$. (3m)
16.	Verify the associative property: $\frac{-3}{13} \times \left(\frac{26}{33} \times \frac{-11}{12}\right) = (\frac{-3}{13} \times \frac{26}{33}) \times \frac{-11}{12}$ (3m)
Section D: Long Answer Question of 4 marks &Case study (Q.17 & Q.18)	
17.	Simplify: $\frac{3^{-3} \times 81 \times a^5 \times 50}{10^2 \times a^{-2}}$
18.	**Case Study:**  Beekeeping is a farming activity that many farmers and landless workers in villages practice as part of mixed farming. While honeybees are well known for producing honey, their main role in nature is to pollinate various flowering plants. Ravi, a beekeeper, has 2,310,000 hives for his farm, which covers an area of 2.15×10^5 square meters. a. Write standard form of the total number of beehives Ravi has. b. Write the usual form of the area of the land. c. Evaluate: $\frac{7^8 \div 7^3}{(21)^3}$

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ANSWERS

1.	A	**2.**	C	**3.**	D	**4.**	A
5.	B	**6.**	C	**7.**	B	**8.**	C
9.	A	**10.**	B	**11.**	D	**12.**	A
13.	7	**14.**	6	**15.**		**16.**	
17.	$\frac{3}{2} \times a^7$	**18.**	a. 2.31×10^6 b. 215000 c. $\frac{49}{27}$				