

Set 4

Subject : Maths

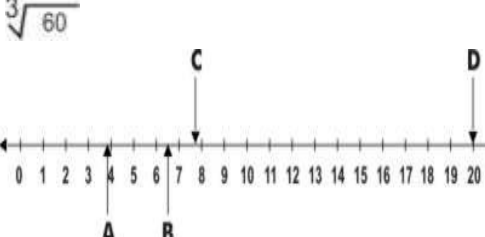
Grade: IX

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
1.	5_28 Mathematics 10104	Number Systems	How many times will P be squared in the flowchart below before printing P for the 1st time? ($P \leftarrow 1$ means that the value of P is set to 1)	<pre> graph TD Start([P ← 2 Q ← 225]) --> Process[P ← P²] Process --> Decision{Is P > Q} Decision -- No --> Process Decision -- Yes --> Print[/Print P/] </pre>	B		
Answer Options							
Option A		Option B		Option C		Option D	
1		3		15		225	

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
2	5_28 Mathematics 10079	Number Systems	Assume $35.1258 \times 0.4111 = 14.4402$. Now if $0.0351258 \times 4111 \times a = 0.144402$, what is the value of 'a'?		D
Answer Options					
		Option A	Option B	Option C	Option D
		10^3	10^2	10^{-2}	10^{-3}

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
3	5_28 Mathematics 10074	Number Systems	Which of the following will be an odd number?		D
Answer Options					
		Option A	Option B	Option C	Option D
		(odd number + odd number) times; odd number	(odd number+even number) + (odd number) times odd number	(odd number times; odd number) + odd number	(even number times; odd number) + odd number

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
4	5_28 Mathematics 10075	Number Systems	According to the 2001 census, the population of West Bengal was nearly 8.02 crores. That is equal to		B
Answer Options					
		Option A	Option B	Option C	Option D
		8.02 million	80.2 million	802 million	8.02 billion

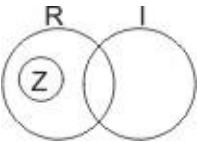
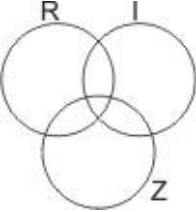
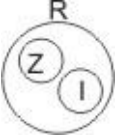
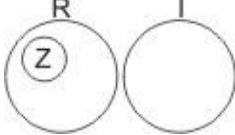
Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
5	5_28 Mathematics 10077	Number Systems	Which of the following shows the distance $\sqrt[3]{60}$ units (from 0) MOST accurately on the number line?		A
Answer Options					
Option A		Option B	Option C	Option D	
A	B	C	D		

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
7	5_28 Mathematics 10084	Number Systems	A certain comet is visible on earth once in every x years - that is, it has a periodicity of exactly x years. Three of the years in which it was seen are 1780, 1861 and 1987. Which of these could be the value of x?		D
Answer Options					
		Option A	Option B	Option C	Option D
		2	5	6	9

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
8	5_28 Mathematics 10094	Number Systems	Naren made a list of whole numbers in ascending order such that the 2nd number is 1 more than the 1st , the 3rd is 2 more than the 2nd, the 4th is 3 more than the 3rd and so on. If this pattern is continued, what would be the difference between the 102nd number and the 100th in the list?		C
Answer Options					
		Option A	Option B	Option C	Option D
		101	200	201	202

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
9	5_29 Mathematics 11779	Number Systems	$\frac{8^7}{-8^{-7}} =$		D
Answer Options					
		Option A	Option B	Option C	Option D
		0	8^{14}	8^{-49}	none of these

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
13	5_29 Mathematics 11404	Number Systems	If x times 0.1 = 90, what is x divided by 0.1?		D
Answer Options					
		Option A	Option B	Option C	Option D
		9	90	900	9000

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
14	5_29 Mathematics 11406	Number Systems	Which of the following diagrams is the correct diagrammatic representation of the sets of Integers (Z), Rational numbers (R) and Irrational numbers (I)?		D		
Answer Options							
Option A		Option B		Option C		Option D	
							

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
15	5_29 Mathematics 11407	Number Systems	For which of these values of y will 2y be an irrational number?		D
Answer Options					
		Option A	Option B	Option C	Option D
		$y = \sqrt{49}$	$y = -2^{13}$	$y = 22/7$	$y = \sqrt{8}$