Q.NO.	Folder Number & Question Code	Topic	Question with Options		Image (If Any)	Correct Answer (Option - A,B,C,D)
1	2_11 Mathematics 4467	Number System	Shalini is making matchsticks from the MINIMUM n matchsticks that make a triangle equal? (Each matchstick part of any side no matchstick sh broken)	n a box. What is umber of she will need to with no sides should form a of the triangle and		С
		Option A	An: Option B 6	swer Options Option C 9	Option D 11	
2 A	2_11 Mathematics 5323	Number System	Read the inform to answer the qu for all rational n we define y x x x x x x x x x x	ation given below uestion. Suppose, umbers x, y and z, as follows: if z < y and if y < z.		D
		Option A	Option B	Option C	Option D	

		-3	-2	0	6	
		Number System	Of the following the same value a	, which will have as ?		
	2_11					
2 B	Mathematics					
				swer Options		С
	5324	Option A	Option B	Option C	Option D	
					2 -3	
		Α	B	<u> </u>	D	
		Number System	Answer the ques given informatio	stion based on the n.		
				n a factory control		
	2_11		room, where he electronic device			
3 A		ordinary batteries.				
	Mathematics					В
			Each device requ	-		
	4493		which lasts for 8 depending on th	e battery quality.		
			Ramesh has a st batteries. The ni	ock of 8 new umber of days each	Daice Daice	
				this is not known		
			to Ramesh) is sh	own below. w batteries in all		
			-	the order shown.	Life: 8 10 11 9 8 9 10 12	
			After this, as batteries run out,			
			Ramesh replaces from his stock IN			
			ORDER.			
			Which battery will replace battery			
			number 2 in dev	ice 2?		
		Option A	Answer Options Option B Option C		Option D	
			option b			
		4	5	7	8	

3 B	2_11 Mathematics 4494 2_11 Mathematics	Number System Option A Day 16 Number System	a new battery? An: Option B Day 21 One of the numl written as 2.828	Ramesh have to buy swer Options Option C Day 27 Ders below can be 427125 (The does NOT repeat).	Option D Day 25	В
	5297					
4			An	swer Options		
		Option A	Option B	Option C	Option D	
		20/7	√8	2 + ⁹ / ₁₁	√ 56	
		Number				
5	2_11 Mathematics	System	Which of the fol approximation f ÷ (0.098) ² ? (Hint: You need calculate.)			
			l An:	swer Options		D
	5299	Option A	Option B	Option C	Option D	
		50	5	5500	55000	
6	Number 2+/3 and 2-/3 are both incitional numbers. System (2+/3)(2-/3) = (2) ² - (3) ² = 4-3 = 1. What can be said WITH CERTAINTY about the product of two irrational numbers from the above example? Mathematics The product of two irrational numbers is			D		
			Answer Options			
	5305	Option A	Option B	Option C	Option D	
		always a rational number.	always an irrational number.	always 1.	not necessarily an irrational number.	

7	2_11 Mathematics 5306	Number System	C			
		Option A -6	Option B -4	Option C -2	Option D -1	
	2_11	Number System		es the pointer show?	+ + 95 951	
8			An	swer Options	1	<u> </u>
	Mathematics	Option A	Option B	Option C	Option D	C
	4455	9.4	9. 54	9. 504	9. 514	
9	2_11	Number System	8 + 27 ^{1/3} is equa			
	Mathematics 4456			С		
	1150		Answer Options			
		Option A	Option B	Option C	Option D	
		5	8 ^{1/3}	11	17	
10	2_11 Number System If 160 × 1. 362 = 217. 92 What is the value of 21. 792 ÷ 1. 6?					
	Mathematics		-			
	4457	Option A	An: Option B	swer Options Option C	Option D	D
		0.01362	0. 1362	1. 362	13.62	
11	2_11 Mathematics	Number System	q is a number such that $-q > -2$. Which of the following statements will also be true?			
	5313		В			
		Option A	Option B	Option C	Option D	
		q = 2	q < 2	q > 5	q > 2	

	2_11	Number System	If a number is divisible by 6 and 10, it must also be divisible by			
12	Mathematics			swar Ontions		С
	4458	Option A	Option B	swer Options Option C	Option D	
	4438	Option A	Option B	option c	Option D	
		4	16	30	60	
		Number System	On which numbe position of √6			
	2_11	System		shown concerty.		
13	_					
	Mathematics	Option	Option	Option	Option	
		А	В	С	D	
		6	6	6	10	В
	4460	√6 ↓ ↓ 0 1 2 3 4 5 6	√6 ↓ ↓ 0 1 2 3 4 5	<pre></pre>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
		A.	В.	С.	D.	