## **Subject**: Mathematics

## Grade: 9th

SET 2

Q. N	Folder name & Question Code	T	'opic	Question with Answer Options					nage (If Any)	Correct Answer (Option- A,B,C,D)
1	3_18 Mathematics 3415	N	lumber ystem	Star seq give To & Sub with Acc the 0 >01 Wh sec	rting with 0, uence is ger en below. get the next stitute 0 with h 10. ordingly, the sequence a ->01	a growing nerated by number: th 01. Sub e first four re >0110	g number v the rule stitute 1 r terms or - in the	f		В
				Answer Options						
			Option A	Option I		}	Optior	n C	Option D	
			110000000000	000 0110100110010110 110100110			1001	11010010110		
2	3_18 Mathematics 3419	N	umber system	In Nirmal Public school, 28 students have joined the Chess Club and 32 have joined the Carrom Club. Among these, there are 5 students who have joined both the clubs. Altogether how many students have joined these two clubs?						В
			Answer Options							
			Option A		DTION B	Option	L	Opti	on D	
			50	55		00		05		

Q. N	Folder name & Question Code	Т	'opic	Question with Answer Im Options				ige (If Any)	Correct Answer (Option - A,B,C,D)
3	3_18 Mathematics 3422	Number A pa system mad arra dec her the she yell resu eve YEL yell pat			thway in Manju' e of 100 white tinged in a single r des to add some garden by paintir iles. Starting fro paints every secc w. Still not happ t, she proceeds y second one of OW tiles blue. H w tiles are there way now?	s garden is les row. Manju colour to ng some of m one end, ond tile y with the to paint the ow many in the	Tiles	painted yellow at first and so on painted blue later	C
			Otil	Answer Option				Oution D	
			50 50	ption AOption BOption C3025				20	
4	3_18 Mathematics 3423	Number A system c h (		A deck of playing cards consists of 52 cards. How many levels high would the highest (complete) card house that can be made with a SINGLE deck					В
				1	Ans	wer Optior	15		
			Option A	4	Option B	Option C	Option D		
			4 5 6			8			
5	3_18 Mathematics 3424	N S}	Number How many cards would be need system to make a n-level high card hou			ld be needed n card house?			D
		Answer Options							
			Option A	4	Option B	Option C		Option D	
			3n		4n - 1 3n/2 + 4			$\frac{n}{2}$ (3n+1)	

Q. N	Folder name & Question Code	Topic	Question with Answer Options			Imag	Correct Answer (Option- A,B,C,D)	_	
6	3_18 Mathematic s 3387	Number system	The Inte naming from the compary systems the num hundred named i	ernational system big numbers is d e Indian system. ative chart of the is shown below: ber 'Forty millio d thousand and to in the Indian syst	n of ifferent A e two How will n five en' be em?	Indian System C International System M	Crores Ten Lakhs Ten Thousands Hundreds Ten Miillions Hundred Ten Thousands Hundreds Thousands Thousands Hundreds	Tens Ones	D
		Ontio		A A	nswer 0	ptions	S Oration D		
		A			Option	-  '			
		Forty fiv lakhs ar ten	e Forty crores five Four crores d lakhs and ten fifty lakhs a			s I and	en		
7	3_18 Mathematic s 3389	Number system	Ram: W betwee and 509 Sheetal will be numbe times 5 Sarika: depend which y 150% Rohan: numbe than th same n Ahmed would I 50% of Who ha questio	/hat is the relat in 150% of a nu % of the same r 1: 150% of the n three times 50% r - because 150 0. Of course not. I s on the number ou are taking 5 Wrong - 150% r will always be ree times 50% of umber. : Well, I think 11 be less than thre that number. as answered Rate in correctly?	ionship mber number? umber 6 of the is three t er of 0% and of a MORE of the 50% ee times m's mswer O	ptions	5		A
		Optic Sheeta	on A	Option B Sarika	Option Rohan	С	Option D Ahmed		

Q. N	Folder name & Question Code	ן	Горіс	Quest Option	ion with Answ ns	wer	Image	e (If Any)	Correct Answer (Option- A,B,C,D)
8	3_18 Mathematics 3392	Number If the ra system age is 2 is true a			tio of Ravi's age to : 3, which of the f bout their actual		A		
					Answe	r Optior	ıs		_
			Optio	n A	Option B	Option	С	Option D	_
			John's 1½ tin Ravi's a	age is nes age	Ravi is a year younger than John	John is 3 as old as	times Ravi	Ravi's age is half of John's age	
9	3_18 Mathematics 3396	N SY	lumber ystem	If n is a i which o necessa	f n is a rational number other than 0, which of the following is NOT necessarily a rational number?				D
			Answer Options						
			Optio	n A	A Option B Option C			Option D	_
			13/n		$n^3$	3 - n		$\sqrt{n}$	
10	3_18 Mathematics 3397	Number A number system is the sq and n ar the follo square?			number is called a perfect square if the square of a whole number. If m d n are two perfect squares, which e following MUST also be a perfect uare?			<u> </u>	C
		Answer Options							
			Optio	n A	Option B	Option	С	Option D	
			m + n 2m 4n			m² + n²			
11	3_18 Mathematics 3398	Number The fue system capacity goes to gauge c how ma to comp Shailaja			e fuel tank of Shailaja's car has a pacity of 37 litres. One day, when s es to the petrol station, the fuel uge of her car looks like this: Abou w many litres of petrol are require completely fill the fuel tank of ailaja's car?			F	B
		Answer Options							
			Optio	tion A Option B Option		С	Option D	_	
			10		14	18	23		
Q.	Folder	Γ	TopicQuestion with AnswerImage (If Any)		Correct				

N	name & Question Code			Options						Answer (Option- A.B.C.D)				
12	3_18 Mathematics 3400	N Sy	lumber ystem	Bablu's height increased by 10% over the last year. What is the ratio of his last year's height to this year's?						A				
		-			Answer Options									
			Optio	n A	Option B	Option	C Option D							
			10:11		9:10	11:10	11:10			)				
13	3_18 Mathematics 3403	N Sy	lumber ystem	<ul> <li>A number N is increased by 100%.</li> <li>The result is then decreased by</li> <li>100%. The final result will be</li> </ul>								D		
			Answer Options											
			Option A		Option B	C Option D								
		50N			N	N/2	0							
14	3_18 Mathematics 3404	Number S system I i		Study the values in rows X, Y and Z below. If we choose numbers x, y an from rows X, Y and Z respectively, w is the maximum possible value of $\frac{z}{x}$			nd z hat <u>y</u> ?	X     2     4     6     8     10       Y     3     5     7     9     11       Z     5     10     15     20     25					10 11 25	D
					Answe	er Options								
		Optio 1.4		n A	Option B 5	Option 7	С	Option D 11						
15	3_18 Mathematics 3406	Number system		When written in decimal form, whic the following will be a non-terminat non-recurring number?			h of ing,							В
				I	Answer Options			1S						
			Optio	n A	Option B	Option	С		Opt	tio	n D			
		$1^{\frac{1}{9}}$			2 <sup>1</sup> / <sub>9</sub>	2-	·9	$9\frac{1}{2}$						