**Subject:** Mathematics

Grade: 9th

Set 1

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1		Number System	Which division will leave a remainder 2?		С
	2_10 Mathematics				
	5885			Answer Options	
		Option	A Option B	Option C	Option D
		345 ÷ 3	3 536 ÷ 4	587 ÷ 5	711 ÷ 9
2	2_10 Mathematics	Number System	$(\frac{3}{5})^{-2}$ is equals to		D
	5886			Answer Options	
		Option	A Option B	Option C	Option D
		9/25	- <sup>9</sup> / <sub>25</sub>	9/5	<sup>25</sup> / <sub>9</sub>

S.N	Folder Number & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)	
3	2_10 Mathematics	Number System		ngth of the longer line is 60 length of the shorter one is			В	
	5887				Answer Options			
		Optio	n A	Option B	Option C	Option D	)	
		25 c	m	22.5 cm	20 cm	18 cm		
4	2_10 Mathematics	Number System	Which Number	of these is a Rational er?			С	
	5888				Answer Options			
		Optio	n A	Option B	Option C	)		
		√6		Π	0.333	2 <sup>1/3</sup>		
5	2_10 Mathematics	Number System	umber System $2.5 \times 0.2 \times 0.2$ equals to				В	
	5889				Answer Options			
		Optio	n A	Option B	Option C	Option [		
		0.0		0. 1	1	10		

Folder Number & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)	
2_10 Mathematics	Number System	What fr	actional part of 7777 is 77?			D	
5890				Answer Options			
	Option	A	Option B		Option	D	
	1/11		1/77	1/100	1/101		
2_10 Mathematics	Number System					С	
5894	Answer Options						
	Option A	A	Option B	Option C	Option	D	
	_		a recurring decimal fraction (like 1.4142222)	recurring decimal fraction (like 1.4142)	decimal fraction wh digits follow a simp pattern (like		
2_10	Number System					A	
- Mathematics							
5897				Answer Options			
	Option	A	Option B	Option C	Option	D	
	1		10	11	55		
	& Question Code  2_10 Mathematics  5890  2_10 Mathematics  5894  2_10 Mathematics	**Residue Code    Code   Number System	**Number System**  **Description Code**  **Page 10	& Question CodeNumber SystemWhat fractional part of 7777 is 77?2_10 MathematicsOption A Option B $\frac{1}{11}$ Option B $\frac{1}{12}$ 2_10 MathematicsNumber System will get:If we calculate the value of $\sqrt{2}$ we will get:5894Option A Option B a terminating decimal fraction (like 1.4142)a recurring decimal fraction (like 1.4142222)2_10 MathematicsNumber SystemThe value of $(-1)^0 - (-1)^1 - (-1)^2 - (-1)^3 (-1)^9 - (-1)^{10} =$ 0ption A 1)3 (-1)9 - (-1)10 =Option B	& Question Code Number System What fractional part of 7777 is 77?   5890 Answer Options   Option A Option B Option C   ½11 ½777 ⅓100    Number System  If we calculate the value of √2 we will get:    Number System   If we calculate the value of √2 we will get:	Number System   What fractional part of 7777 is 77?	

S.N	Folder Number & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)	Ans (Op	rrect swer otion- ,C,D)			
9	2_10 Mathematics	Number System	weighin	checking his weight on a general scale. What is the reading scale, shown below?	WEIGH CHECK  55  Weigh kg		D			
	5899			Answer Options						
		Option	ı A	Option B	Option C	Option D				
		50. 3 l		50. 7 kg	52 kg	53. 5 kg				
10	2_10 Mathematics	Number System	intege	of three consecutive even rs is m + 1, another of could be			D			
	5903		Answer Options							
		Option	ı A	Option B	Option C	Option D				
		m + 4	1	m + 7	m - 2	m – 3				
11	2_10 Mathematics	Number System		nich of these values of m is 10 <sup>m</sup> a perfect cube?			С			
	5908				Answer Options					
		Option	ı A	Option B	Option C	Option D				
		9		8	7	6				

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)				
12		Number System	A magician gives Jack the seed of a						
			magic bean plant. He plants the seed and records the plant's increase in		С				
	2_10		height in decimeters (dm) every day.						
	Mathematics		He finds that the plant's growth						
			follows an interesting mathematical						
			pattern:						
	5912								
			On day 1 the plant's height						
			INCREASES by 1 dm.						
			On day 2 the plant's height						
			INCREASES by 2 dm.						
			On day 3 the plant's height						
			INCREASES by 3 dm.						
			On day 4 the plant's height						
			INCREASES by 4 dm.						
			and so on.						
			Based on this pattern, the HEIGHT of						
			the plant at the END of the nth day						
			will be						
				Answer Options					
		Option	•	Option C Option					
		n dm	n <sup>2</sup> dm	$\frac{n(n+1)}{2}$ 10 dr	n				
			l	1 4					

S.N	Folder Number & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)			
13	2_10 Mathematics 5914	Number System	the num who had these to beforehat the num number have be	who collects stamps, gave half ber that he had to Varun, I none. Varun gave half of Tariq, who also had none and. If Tariq had given half ber he had back to Badri, the of stamps with Badri would en 20.  Any stamps did Varun give			В			
			Answer Options							
		Option	Option A Option B Option C Option							
		4		8	16	32				

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
14	2_10 Mathematics 5923		Read the situation described below and answer the question.  Amisha goes to her bank to withdraw money. When she reaches, there are 5 customers Q, R S, T and U waiting before her as shown. The time that each person requires at the counter is also shown.  The bank has 3 counters, and as each becomes free, the first person in the queue is called to that counter. (For example: The person already in counter 1 requires 10 seconds more (as shown) - then customer U will be called to Counter 1 and so on.)  How long will Amisha have to wait?	AMISHA Queue Queue 30 70 40 110 50 Seconds required at counter	Free in 10 seconds  Free in 50 seconds  Free in 150 seconds
				Answer Options	
		Option A	A Option B	Option C	Option D
		50 secon	ds 100 seconds	160 seconds	300 seconds

S.N	Folder Number & Question Code	Topic	Question with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)
15	2_10 Mathematics 5924		Read the situation described below and answer the question.  Amisha goes to her bank to withdraw money. When she reaches, there are 5 customers Q, F S, T and U waiting before her as shown. The time that each person requires at the counter is also shown.  The bank has 3 counters, and as each becomes free, the first person in the queue is called to that counter. (For example: The person already in counter 1 requires 10 seconds more (as shown) - then customer U will be called to Counte 1 and so on.)  When her turn comes, which counter will service Amisha?	AMISHA Queue Q R S T U 30 70 40 110 50 Seconds required at counter	Free in 10 seconds  Free in 50 seconds  Free in 150 seconds	В
				Answer Options		
		Option .	·	Option C	Option	
		Counter	Counter 2	Counter 3	Can not be	said

**Subject**: Mathematics

**Grade**: 9<sup>th</sup> SET 2

Q. N	Folder name & Question Code	T	opic	_	estion wit tions	th Answ	er	In	nage (If Any)	Correct Answer (Option- A,B,C,D)
1	3_18 Mathematics 3415		umber /stem	seq give To g Sub with Acc the 0>01	ting with 0, uence is geren below. get the next stitute 0 with 10. ordingly, the sequence a ->01> 101001 at is the next uence?	nerated by number: th 01. Sub e first four re >0110	the rule stitute 1 terms of			В
				Answer Options				•		
			Option A		Option B		Option	ı C	Option D	
			110000000000000000000000000000000000000	000	011010011	0010110	1101001	1001	11010010110	
2	3_18 Mathematics 3419	N	umber system	Stud Clui Car are bot mai	Jirmal Publice Jirmal	oined the ve joined mong the who have Altogethe	Chess the se, there joined er how ed these			В
		$\vdash$	Ontion 1	0-				Onti	on D	
			Option A 50	55	otion B	Option 60	U	65	on D	

Q. N	Folder name & Question Code	_			uestion with Answer ptions			ige (If Any)	Correct Answer (Option - A,B,C,D)
3	3_18 Mathematics 3422		ystem	made arran decid her g the ti she p yellov resul every YELLO yellov	pathway in Manju's garden is lade of 100 white tiles ranged in a single row. Manju ecides to add some colour to er garden by painting some of he tiles. Starting from one end, he paints every second tile ellow. Still not happy with the esult, she proceeds to paint every second one of the ELLOW tiles blue. How many ellow tiles are there in the eathway now?  Answer Option			painted yellow at first  and so on  painted blue later	C
			Option 2	A	Option B	Option C		Option D	
4	3_18 Mathematics 3423		lumber ystem	of 5 high (cor	 eck of playing ca 2 cards. How ma n would the high mplete) card hou made with a SIN	any levels est use that can			В
				•	Ans	wer Option	ıs		
			Option 4	A	Option B 5	Option C		Option D 8	
5	3_18 Mathematics 3424		lumber ystem		How many cards would be needed to make a n-level high card house?				D
					Ans	wer Option	ıs		
			Option A	A	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				Image (If Any)						Cor Ans (Op A,B	r n-	
6	3_18 Mathematic	Number system	The Intended naming from the	lifferent A	Indian							,		D	
	s 3387		systems the num	omparative chart of the two ystems is shown below:How will he number 'Forty million five				Ten Lakhs Miillions	Lakhs Hundred Thousands	Ten Thousand Ten Thousand	Thousands	Hundreds Hundreds	889	Ones	
				d thousand and t in the Indian syst											
					Answer O	ptior	าร								
		Option A	ı Op	tion B	Option (		Op	tior	ı D						
		Forty five		ty crores five ns and ten	Four crores		Fou	r cro	res fi	ive la	ıkhs a	ind te	en		
7		ten Number	Ram: W	hat is the relat	ten										Α
	3_18 Mathematic s 3389	system	and 509 Sheetal	en 150% of a nu % of the same r : 150% of the r	number? number										
	3369		number times 5		is three										
			depend	Of course not. Is on the numb ou are taking 5	er of										
			Rohan: numbe	Wrong - 150% r will always be	MORE										
			same n	ree times 50% umber. : Well, I think 1											
			would be 50% of	oe less than thr that number.	ee times										
				as answered Ra	m's										
			question correctly?  Answer												
		Option	Option A Option B Option					Opt	ion	D					
		Sheetal		Sarika	Rohan			Ahm							

Q. N	Folder name & Question Code	Т	Copic	Questi Option	ion with Ansv ns	wer	Image	e (If Any)	Correct Answer (Option- A,B,C,D)
8	3_18 Mathematics 3392		umber /stem	age is 2	tio of Ravi's age to : 3, which of the f bout their actual	ollowing			A
					Answe	r Optior	าร		
			Optio	n A	Option B	Option	С	Option D	
			John's 1½ tin Ravi's a	nes	Ravi is a year younger than John	John is 3 as old as		Ravi's age is half of John's age	
9	3_18 Mathematics 3396		umber /stem	If n is a r	rational number of f the following is l rily a rational nun	NOT	0,	I	D
					Answe	r Option	ıs		
			Optio	n A	Option B	Option	С	Option D	
			13/n		$n^3$	3 - n		$\sqrt{n}$	
10	3_18 Mathematics 3397		umber /stem	is the sq and n ar	er is called a perfourer of a whole retwo perfect squaring MUST also	number. If i lares, whic	m h of		С
					Answe	r Optior	ıs		
			Optio	n A	Option B	Option	С	Option D	
			m + n		2m	4n		$m^2 + n^2$	
11	3_18 Mathematics 3398	system capacity goes to gauge o how ma			I tank of Shailaja's car has a y of 37 litres. One day, when she the petrol station, the fuel of her car looks like this: About any litres of petrol are required pletely fill the fuel tank of			F	В
						r Optior	ıs		
			Optio	n A	Option B	Option	С	Option D	
			10		14	18		23	
Q.	Folder	T	'opic	Quest	ion with Ansv	wer	Image	(If Any)	Correct

N 12	name & Question Code  3_18 Mathematics 3400		umber ystem	over the	u's height increased by 10% the last year. What is the of his last year's height to								
					Δηςωζ	er Option	10						
			Optio	n A	Option B	Option		01	ptior	ı D			
			10:11		9:10	11:10		1:10				-	
13	3_18 Mathematics 3403		lumber ystem	The resu	l er N is increased Ilt is then decreas he final result wil	sed by		1				D	
					Answe	ıs							
			Optio	n A	Option B	Option	С	Option D					
			50N		N	N/2							
14	3_18 Mathematics 3404		umber ystem	below. I	e values in rows in the comment of the choose num ws X, Y and Z respands in the comment of the comme	bers x, y an ectively, wl	dz hat y <sub>2</sub> 2	X 2 Y 3 Z 5	5	6 7 15	8 10 9 11 20 25		
					Answe	r Option	ıs						
			Optio	n A	Option B 5	Option 7	С	0 <sub>]</sub>	ptior	n D			
15	3_18 Mathematics 3406	system the follo		the follo	ritten in decimal form, which wing will be a non-terminatinurring number?							В	
					Answer Options								
			<b>Optio</b> 1 <sup>1/9</sup>	n A	Option B	Option 2							
			19		$2^{\frac{1}{9}}$					9 <del>2</del>			

Set 4

**Subject : Maths** 

**Grade: IX** 

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	ver	Image (	If Any)	Correct Answ (Option-A,B,C,	
1.	5_28	Number		any times will P			P ← 2		
	Mathemati	Systems	-	I in the flowcha			Q ← 225		
	CS			efore printing I		V	→↓		
	10104			time? (P← 1 m		No Z	P ← P <sup>2</sup> Is P > Q  Yes  Print P	В	
			.1		Ans	wer Option	s		
		Optio	n A	Option B	C	ption C	Optio	on D	
		1		3	15		225		

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
2	5_28	Number	Assume	35.1258 x 0.41	11 =				
	Mathemati	Systems	14.4402	. Now if 0.035	1258			D	
	cs		x 4111 x	a = 0.144402,	what			D	
	10079		is the va	lue of 'a'?					
			Answe						
		Option	n A	Option B	0	ption C		Option D	
		10 <sup>3</sup>		10 <sup>2</sup>	10 <sup>-2</sup>		10 <sup>-3</sup>		

Q.	Folder		Topic	Quest	tion with Answ	er	Image		Correct Answ	
N	name &				Options		(If Any)		(Option-A,B,C	,D)
	Question									
	Code									
3	5_28	N	umber	Which o	f the following	will			D	
	Mathemati	Sy	/stems	be an oc	odd number?				D	
	cs				Ans	wer C	Options			
	10074		Option A		Option B	С	ption C		Option D	
		(	odd numbe	er + odd	(odd	(odd	number	(ev	ven number times; odd	
		r	number) tin	nes; odd	number+even	times	; odd	nu	mber) + odd number	
		r	number		number) +	numb	er) + odd			
					(odd number)	numb	er			
				times odd						
					number					

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		rrect Answ tion-A,B,C	
4	5_28	Number	Accordir	ng to the 2001					
	Mathemati	Systems	census,	census, the population of				В	
	cs		West Be	ngal was nearly	y			ь	
	10075		8.02 cro	res. That is equ	al to				
				Answer		ptions			
		Option	n A	Option B	0	ption C	Option	D	
		8.02 million	1	80.2 million	802 n	million 8.02 billion			

Q. N	Folder name & Question Code	Topic	Questi	on with Answer Options		Image (	lf Any)	Cor rect Ans wer (Opt ion- A,B, C,D)
	5_28 Mathemati cs 10077	Systems	shows th units (fro	the following e distance ∜60 om 0) MOST y on the numl	0	3 60 0 1 2 3 4 5	C D   T   T   T   T   T   T   T   T   T	А
		Option	ı A	Option B		Answer O Option C	ptions Option D	
		A	E	·	С	-	D	

Q. N	Folder name & Question Code	Topic	Question with Answ Options	ver Image (If Any)	Correct Answ (Option-A,B,C				
7	5_28	Number	A certain comet is visib	le on					
	Mathemati	Systems	earth once in every x y	ears -					
	cs		that is, it has a periodic	city of					
	10084		exactly x years. Three o	of the	D				
			years in which it was se	een					
			are 1780, 1861 and 19	87.					
			Which of these could b	e the					
			value of x?						
			Ans	wer Options					
		Option	n A Option B	Option C	Option D				
		2	5	6	9				

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,G	_
	_			nade a list of wh					
	Mathemati	1 -		s in ascending o					
	cs		such tha	it the 2nd numl	oer is				
	10094		1 more t	than the $1  ext{st}$ , $ ext{th}$	ie				
			3rd is 2	more than the	2nd,				
			the 4th i	is 3 more than t	he			С	
			3rd and	so on. If this pa	ttern	ı			
			is contin	lued, what wou	ld be				
			the diffe	erence betweer	the				
			102nd n	umber and the					
			100th in	the list?					
				Ans	wer (	Options			
		Option	n A	Option B	C	Option C		Option D	]
		101		200	201		202		

Q. N	Folder name & Question Code	Topic	Que	stion with Answ Options	/er	Image (If Any)	Correct Ans (Option-A,B,	
	5_29 Mathemati cs	Number Systems	$\frac{8^7}{-8^{-7}}$	<del>,</del> =			D	
	11779			Ans	wer C	Options		
		O	tion A	Option B	Option B C		Option D	
		0		814	<b>8</b> -49		none of these	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	(If Any)			Correct Answ (Option-A,B,C	
	5_29 Mathemati	Number			t is x			D	
	CS	Systems	uivided	•	wer C	 Options			
	11404	Optio	n A	1		option C		Option D	
		9		90	900		9000		

Q. N	Folder name &	Topic	Quest	tion with Answer Options		Image (If Any)		Correct Answ (Option-A,B,C	
	Question			Options		(ii Aiiy)		(Option 7,5,6	,,,,,,,
	Code								
14	5_29	Number	Which o	f the following					
	Mathemati	Systems	diagram	s is the correct					
	cs		diagram	matic representat	ion			D	
	11406		of the se	ets of Integers (Z),				D	
			Rational	numbers (R) and					
			Irrationa	ıl numbers (I)?					
				Answ	er O	otions			
		Option	n A	Option B	C	ption C		Option D	]
		R		R	(	R	Z		

Q.	Folder	Topic	Que	estion with Answ	er	Image		Correct Answ	
N	name &			Options		(If Any)		(Option-A,B,C	:,D)
	Question								
	Code								
15	5_29	Number	For wl	hich of these value	es of				
	Mathemati	Systems	y will :	2y be an irrational				D	
	cs		numb	er?					
	11407			Ansv	ver C	Options			
		Optio	n A	A Option B		ption C		Option D	
		$y = \sqrt{49}$	<b>\</b>	$y = -2^{13}$	<i>ı</i> = 22	22/7 y =			

Set 3

**Subject: Maths** 

**Grade: IX** 

Q. N	Folder name & Question Code	Topic	Ques	tion with Answer Options		Image (If Any)		rrect Answ otion-A,B,C	
1	5_26 Mathemat	l	0.00062	5 is the same as				D	
	1625			An	swer (	Options			
		Optio	n A	Option B	C	ption C	Option	D	
		1/1000 x62	5	1/1000000+ 625	1000	x 625	1/1000000 x 62	25	

Q. N	Folder name & Question	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
	Code								
2	5_26	Number	If the sq	uare of 'x' is 5,	then			В	
	Mathemati	Systems	square o	of '4x' will be					
	cs			Ans	wer (	Options			
	1627	Optio	n A	Option B	C	Option C		Option D	
		400		80	60		20		

Q. N	Folder name &	Topic	Quest	tion with Answ Options	er	Image (If Any)	Correct Answ (Option-A,B,C,	_	
	Question								
	Code								
3	5_26	Number	Which of these numbers		`S				
	Mathemati	Systems	can be written as a non-		-		Α		
	cs		terminat	ting, repeating			А		
	1629		decimal	?					
				Ans	wer (	Options			
		Option			C	ption C	Option D		
		1/12	2 3/24 $\sqrt{3}$		√3		11/5		
			V O						

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er Image (If Any)	Correct Answ (Option-A,B,C	
4	5_26	Number	Which o	f the following	is	<u></u>	
	Mathemati	Systems	equal to	1?			
	cs			Ans	wer Options		
	1636	Optio	n A	Option B	Option C	Option D	
		17 <sup>-2</sup> +	17 <sup>2</sup>	17 <sup>2</sup> -17 <sup>-2</sup>	17 <sup>-2</sup> x 17 <sup>2</sup>	17 <sup>2</sup> /17 <sup>-2</sup>	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C,	
5	5_26	Number	If p is a r	non-zero Ratior	nal				
	Mathemati	Systems	number, which of the					Α	
	cs		followin	g might NOT be	ē			^	
	1639		Rational	?					
				Ans	wer C	Options			
		Option	n A	Option B	0	ption C		Option D	
		$\sqrt{3p}$	)	p <sup>-3</sup>	-p <sup>3</sup>		3/p		

Q.	Folder	Topic	Quest	tion with Answ	er	Image		Correct A	Answer
N	name &			Options		(If Any)		(Option-A	,B,C,D)
	Question								
	Code								
6	5_26	Number	The set o	of Natural num	bers				
	Mathemati	Systems	is said to	be 'CLOSED' u	nder				
	cs		the oper	ation '+' becau	se				
	1651		for any N	Natural numbei	s m				
			and n, th	ne number m +	n is			В	
			also a Na	atural number.					
			Under w	hich operation	s is				
			the set c	of Integers					
			'CLOSED	'?					
				Ans	wer (	Options	•		
		Option	n A	Option B	C	ption C		Option D	
		+, -, x and		+, - and x	only	+ and x	only -	+ and -	
		÷		•	,				

Q. N	Folder name &	Topic	Quest	tion with Answ Options	_		rect Answ ion-A,B,C		
14	Question			Options		(II Ally)	(Ορί	ion-A,b,C	,ט,
	Code								
7	5_26	Number	Which o	f the following					
	Mathemati	Systems	numbers will have a '6' in		in			В	
	cs		the unit'	s place?					
	1659			Ans	wer (	Options			
		Option	n A	Option B	C	option C	Option I	)	
		2 <sup>6</sup>		2 <sup>16</sup>		<b>2</b> <sup>26</sup>	2 <sup>46</sup>		

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er		age Any)			Corre Optio			
8	5_26	Number	If x is su	ch that it satisfi	es								
	Mathemati	Systems	BOTH th	e inequalities:	-2 <x< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></x<>								
	cs		and x≤ 2	d x≤2 which of the							Α		
	1648			ollowing number lines correctly depicts the valu							A		
				Ans	wer O	ptions	5						
		Option	n A	Option B	O	otion (	0		Opti	ion D			
		-2 -1 0 <b>A.</b>	1 2	-2 -1 0 1 2 <b>B.</b>			0 <b>C.</b>	-2	-1	0 <b>D.</b>	1	2	

Q.	Folder	Topic	Ques	tion with Answ	er	Image	Correct Answ	ver er
N	name &			Options		(If Any)	(Option-A,B,C	,D)
	Question							
	Code							
9	5_27	Number	In which	n of the followir	ıg			
	Mathemati	Systems	lists are	ALL three num	bers		D	
	cs		irrationa	al?				
	8425			Ans	wer (	Options		
		Option	n A	Option B	C	ption C	Option D	
		0, -3, 3	3.14	22/7 ,	٧	/2,√3,√4	3.919119111911119,	
				0.0141414,			√5 , <b>π</b>	
				√3				

Q. N	Folder name & Question Code	Topic	Quest	ion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	_
10	5_27	Number	Scientific	Notation is a					
	Mathemati	-		way of writing a					
	cs		number	in the form a x	10 <sup>b</sup>				
	8426		where a	is a number					
			betweer	n 1 and 10 and b	o is				
			an integer. For example,						
			652 would be written as					С	
			6.52 x 10	D <sup>2</sup> in this notation	on.				
			Which o	f the following	is				
			most like	ely to contain a					
			negative	exponent of 10	)				
			when re	presented in					
			scientific	notation?					
				Ans	wer C	Options			
		Optio	n A Option B (		О	ption C	Op <sup>-</sup>	tion D	
		Number of	cells in a Speed of light Dia		Dia	meter of a	Mass of a	n airplane in	
		honeyc	comb in kilometres blo		blo	od cell in	kilograms		
				per second	centimetres				

Q. N	Folder name & Question Code	Topic	Ques	uestion with Answer Options		Image (If Any)			ect Answ on-A,B,C,	
	5_27 Mathemati cs 8427			ecimal fraction of					D	
				Α	nswe	r Options				
		Option	n A	Option B	C	ption C		Option D		
		0.45	5	0.045		0.09		0.18		

Q. N	Folder name & Question Code	Topic	Question with Answer Options		er	Image (If Any)		ect Answ on-A,B,C	
12	5_27	Number	Which of the following is		is				
	Mathemati	Systems	closest to 8.413/0.19 ?				C		
	cs		Answer Options						
	8430	Optio	n A	Option B	0	ption C	Option D	Option D	
		0.4	4	4.4		44	440		

Q. N	Folder name & Question	Topic	Question with Answer Options		Image (If Any)		Correct Ar (Option-A,I		
	Code 5_27 Mathemati cs 8458	Systems	row of the also reprof the term of $(x + y)^2 = 1x^2 + 1x^3 + 3x^2$ row of the represents	bers in the (n + 1) the Pascal's triang esent the coefficients in the expand the 2xy + 1y², (x+y) y + 3xy² + 1y³. The triangle would the coefficients these expression	le cients sion x + 3 = e 6th			A	
				Answer Options					
		Option		Option B		ption C		Option D	
		$(x + y)^5$		(x + 5y) <sup>6</sup>	(x + y)	o	$(x + y)^4$		

Q.	Folder	Topic	Ques	tion with Answ	er	Image		Correct Answ	
N	name &			Options		(If Any)		(Option-A,B,C	,D)
	Question								
	Code								
14	5_27	Number	Which o	f the following					
	Mathemati	Systems statemen		nts can be true for a			В		
	cs		natural i	number N?					
	8435		Answ			Options			
		Option	n A	Option B	0	ption C		Option D	
		When N is o	divided	When N is	Wher	n N is All		he three statements	
		by 3, the re	mainder	divided by 3,	divide	ed by 3, the	can l	be true.	
		is 3 and wh	en N is	the remainder	remai	inder is 1			
		divided by 6	5, the	is 0 and when	and w	vhen N is			
		remainder i	s 0.	N is divided by	divide	ed by 6, the			
				6, the	remai	inder is 0.			
				remainder is					
				3.					

Q.	Folder	Topic	Qu	estion with Answ	er/	Image	Correct Ar	
N	name &			Options		(If Any)	(Option-A,	B,C,D)
	Question							
	Code							
15	5_27	Number	lumber If 20% of your Maths score		core			
	Mathemati	<b>athemati</b> Systems is e		ual to 30% of my N	∕laths			
	cs		score	core on a test, which of the		A		
	8431	l	follov	ving best describe	s the		A	
		l	relati	on between our				
			score	s?				
				Ans	wer C	Options		
		Option	ıΑ	Option B	C	ption C	Option D	
		Your score is	$5.1^{\frac{1}{1}}$ My score is $1/2$ You so		cored 10	I scored 10% more than	า	
		times mine.	_	times yours.	mark	s more than	you.	
					me.			

## QUESTION PAPER

## SET 3

Subject : Mathematics

Grade: IX

Q No	Folder name &	Topic	Question with	Image	Correct Answer
	Question Code		Answer Options	(If Any)	(Option- A,B,C,D)
		Number	Which is the		Α
		system	smallest 7-digit		
			number that is a		
1	3_19		multiple of 6?		
	Mathematics		Answer O	ptions	
		Option A	Option B	Option C	Option D
	2770	1000002	1000003	1000005	1000006

Q No	Folder name &	Topic	Question with	Image	Correct Answer
	Question Code		Answer Options	(If Any)	(Option- A,B,C,D)
		Number	Which of the		D
		system	following		
			statements is		
2	3_19		true?		
	Mathematics	Answer Options			
		Option A	Option B	Option C	Option D
	2771	$3^{40} + 3^{20}$	$3^{12} \times 3^{10}$	$3^{14} + 4^{14}$	$3^{20} \times 3^2$
		$=3^{40+20}$	$=3^{12\times10}$	$=(3+4)^{14}$	$=(3^2)^{11}$

Q No	Folder name &	Topic	Question with	Image	Correct Answe	r		
	Question Code		Answer Options	(If Any)	(Option- A,B,C,	,D)		
		Number	A part of a room	o F c	В			
		system	thermometer is	-4 -   -				
			shown below.	1 1 1				
3	3_19		What	, - F				
	Mathematics		temperature is	-5				
			the thermometer					
	2772		showing?					
			Answer Options					
		Option A	Option B	Option C	Option D			
		-4.3 deg C	-4.6 deg C	-5.2 deg C	-5.4 deg C			

Q No	Folder name & Question	Topic	Question with Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)
	Code		Options		
		Number system	The weighing scale below has 5 regular		С
4	3_19		sized CD's on		
	Mathematics		one side		
			balancing a		
	2773		weight on		
			the other.		
			What is the		
			weight on		
			the right		
			likely to be?		
				Answer Options	
		Option A	Option B	Option C	Option D
		20mg	10g	100g	300g

Q No	Folder name &	Topic	Question with	Image	Correct Answer			
	Question Code		Answer Options	(If Any)	(Option- A,B,C,D	))		
		Number	What is the		Α			
		system	smallest number					
			by which you have					
5	3_19		to multiply the					
	Mathematics		product					
			3 x 4 x 5 x 11 x 15					
	2774		to get a perfect					
			square number?					
			Answer Options					
		Option A	Option B	Option C	Option D			
		11	44	2475	9900			

Q No	Folder name &	Topic	Question with	Image	Correct Answer
	Question Code		Answer Options	(If Any)	(Option- A,B,C,D)
		Number	Which of the		С
		system	following numbers		
			can be written as		
6	3_19		a non-terminating		
	Mathematics		but recurring		
			decimal?		
	2775		Answer O	ptions	
		Option A	Option B	Option C	Option D
		43	9	5	$\sqrt{6}$
		8		12	

Q No	Folder name &	Topic	Question with	Image	Correct Answer	
	Question Code		Answer Options	(If Any)	(Option- A,B,C,D	))
		Number	If the numerator		Α	
		System	of an expression is			
			the sum of p, q			
7	3_19		and r and the			
	Mathematics		denominator of			
			the expression is			
	2777		the sum of 3p, 3q			
			and 3r ,then			
			expression will be			
			reduces to			
			Answer O	ptions		
		Option A	Option B	Option C	Option D	
		1	1	1	1	
		3	9	27	$\overline{3pqr}$	

Q No	Folder name &	Topic	Question with	Image	Correct Answer
	Question Code		Answer Options	(If Any)	(Option- A,B,C,D)
		Number	Which of these		В
		System	sets of		
			consecutive		
8	3_19		numbers has a		
	Mathematics		product of 54834?		
			Answer O	ptions	
	2778	Option A	Option B	Option C	Option D
		46,47,48	37,38,39	33,34,35	22,23,24

Q	No	Folder	name &	Topic	Question with	Image	Cor	rect Answe	r
		Quest	ion Code		Answer Options	(If Any)	(Op	tion- A,B,C,	D)
			Number	While solving a			В		
				system	numerical in				
					Physics, Archana				
1	LO		3_19		got the answer as				
		Matl	hematics		$2.387 \times 10^7$				
					instead of				
	2785			$2.367 \times 10^7$ due to					
			a miscalculation.						
				By how much					
				does her answer					
					differ from the				
					correct answer?				
					Answer O	ptions			
				Option A	Option B	Option C	0	ption D	
	•		T	20000000	200000	2000		0.02	
Q	Fold	er	Topic	Question	Image			Correct	
Ν	nam	e &		with Answer	(If Any)			Answer	
О	Ques	stion		Options				(Option-	•
	Code	2						A,B,C,D)	

11	3_19 Mathemati cs 2808	Number system	At a party, one person chooses to anchor a game and everyone else stands in V formations as shown below. 3 people stand in the innermost V, 5 in the next and so on. If there are 125 people (including the anchor) at the party, how many	*************************************	People standing in 'V' formations.	В
			I	Answer Options		
		Option A	Option B	Option	n C	Option D
		5	10	12		21

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
12	3_19 Mathematics 2809	Number system	At a party, one person chooses to anchor a game and everyone else stands in V formations as shown below. 3 people stand in the innermost V, 5 in the next and so on. If there are 125 people (including the anchor) at the party, How many MORE people would be required to complete the next V along with the remaining people?	ANCHOR  ANCHOR  People standing in 'V' formations.  And so on	C
			-	Answer Options	
		Option A	Option B	Option C	Option D
		0	13	19	23

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)				
13	3_18 Mathematics 3414	Number system	5 workers, working 8 hours a day, finished painting a house in 2 days. If an identical house has to be painted completely in a day by 8 workers, how many hours should they work?		В				
			Answer Options						
		Option A	Option B	Option C	Option D				
		11	10	8	5				

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)				
14	2_11 Mathematics 4489	Number system	What part of this figure is shaded?		D				
			Answer Options						
		Option A	Option B	Option C	Option D				
		$\frac{1}{5}$	3 5	$\frac{4}{5}$	$\frac{2}{5}$				

Q No	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)		
15	2_11 Mathematics 5295	Number system	See this scale marked in a non standard unit. Each larger unit is divided into 8 (not 10) parts. Which of the following is nearest to the length of the needle shown here?		C		
			Answer Options				
		Option A	Option B	Option C	Option D		
		2.3 units	2+ ¾ units	2+ 3/8 units	2.25units		

Subject: Mathematics

Q.NO.	Folder Number & Question Code	Topic	Question wit Options	h Answer	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 vequal? (Each matchstick part of any side on matchstick shall broken)	n a box. What is umber of she will need to with no sides a should form a of the triangle and		С
		Option A	Ans Option B	wer Options Option C	Option D	
		5	6	9	11	
2 A	2_11 Mathematics 5323	Number System	to answer the qu	if y < z.		D
			Ans	wer Options		
		Option A	Option B	Option C	Option D	

		-3	-2	0	6		
	Number System Of the following, which will have the same value as ?				2 3		
2 B	Mathematics		Λ	ower Onting		С	
	5324	Option A	Option B	swer Options Option C	Option D	C	
		3	2 3	3 3	23		
		Number	Answer the que	stion based on the	D		
3 A	2_11 Mathematics 4493	System	room, where he electronic device ordinary batteric ordinary batteric Each device requirements for 8 depending on the Ramesh has a st batteries. The new ill last (though to Ramesh) is she Ramesh puts new three devices in After this, as bat Ramesh replaces from his stock IN ORDER.	n a factory control operates three es which run on es.  uires 1 battery, -12 days te battery quality.  ock of 8 new this is not known own below. w batteries in all the order shown. eteries run out, s the old batteries	Delice   Delice   1   2   3   3   4   5   7   4   1   1   1   7   4   1   1   1   1   1   1   1   1   1	В	
			number 2 in dev				
		Option A	An: Option B	swer Options Option C	Option D		
		Ориоп А	Ομιίση Β	Option	Οριίοπ Β		
		4	5	7	8		

3 B	2_11	Number System	On which day will a new battery?	Ramesh have to buy				
	Mathematics			swer Options				
		Option A	Option A Option B Option C Op		Option D	В		
	4494	Day 16	Day 21	Day 27	Day 25			
	2_11 Mathematics 5297	Number System	One of the number written as 2.828 pattern of digits Which one is it?	В				
4			Ans	swer Options				
		Option A	Option B	Option C	Option D			
		<sup>20</sup> / <sub>7</sub>	√8	2 + 9/11	√ 56			
		Number System						
	2_11							
5	Mathematics					D		
				swer Options				
	5299	Option A	Option B	Option C	Option D			
		50	5	5500	55000			
		Number System	$2 + \sqrt{3}$ and $2 - \sqrt{3}$ are both in $(2 + \sqrt{3})(2 - \sqrt{3}) = (2)^2 - (\sqrt{3})^2 - (2)^2 - (\sqrt{3})^2 = (2)^2 - $					
			What can be said about the product numbers from the	of two irrational				
6	2_11							
	Mathematics		The product of tw		D			
			Ans	swer 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	series of number every time to ge The series looks 994, 988, 982, If the series is co will be the first r appear in it?	I start with 1000 and start writing a series of numbers - subtracting 6 every time to get the next number. The series looks like this: 1000, 994, 988, 982,and so on.  If the series is continued, which will be the first negative number to appear in it?  Answer Options					
		Option A	Option B	Option C	Option D				
		-6	-4	-2	-1				
	2_11	Number System	What number doe	Vhat number does the pointer show?					
8	Noth anathra		Ans	swer Options		6			
	Mathematics	Option A	Option B	Option C	Option D	С			
	4455	9. 4	9. 54	9. 504	9. 514				
9	2_11 Mathematics	Number System	8 + 27 <sup>1/3</sup> is equa	8 + 27 <sup>1/3</sup> is equal to					
	4456								
			Ans	swer Options	<u> </u>				
		Option A	Option B	Option C	Option D				
		5	81/3	11	17				
10	2_11	Number System	If 160 × 1. 362 = What is the valu	217. 92 e of 21. 792 ÷ 1. 6?					
	Mathematics								
			Ans	swer Options					
	4457	Option A	Option B	Option C	Option D	D			
		0. 01362	0. 1362	1. 362	13. 62				
11	2_11 Mathematics	Number System	q is a number su Which of the foll will also be true?						
	5313		Ans	swer Options		В			
		Option A	Option B	Option C	Option D				
		q = 2	q < 2	q > 5	q > 2				

	2_11	Number System						
12	Mathematics					С		
			An	Answer Options				
	4458	Option A	Option B	Option C	Option D			
		4	16	30	60			
		Number	On which number	On which number line is the				
		System	position of $\sqrt{6}$	position of √6 shown correctly?				
	2_11							
13			Ans	swer Options				
	Mathematics	Option	Option	Option	Option			
		Α	В	С	D			
						В		
	4460	√6 ↓ 0 1 2 3 4 5 6	√6 ↓ 0 1 2 3 4 5 0 1 2 3 4 5 6		√6 ↓ 0 1 2 3 4 5 6			
		A.	В.	C.	D.			

Q.N O.	Folder Number & Question Code	Topic	Question with	ons	Image ( If Any )	Corr ect Ans wer (Opt ion - A,B, C,D)	
	2_11	Number system	The product of 100 real numbers is -100. AT LEAST how many of these 100 real numbers must be positive?			С	
	2_11		l	Answer Opti	ons	-	
1	Mathematics	Option A	Option B	Option C	Option D		
	5320	99	2	1	none		
	2_11	Number system	For which of thes y will 2y be an irranumber?				
2			Answer Options				
	Mathematics	Option A	Option B	Option C	Option D	-	
	4470	y =√49	y = -2/13	y = 22/7	y=√8		
3	2_11 Mathematics 5327	Number system	I have two leaking taps in my kitchen. The first tap drips once every 8 seconds and the second one drips once every 12 seconds. When any one tap drips alone, I call it a 'SINGLE DRIP' and when both drip simultaneously, I call it a 'DOUBLE DRIP'.  The number of 'SINGLE DRIPS' in an interval of 100 seconds following a 'DOUBLE DRIP' will be		ons	С	
		Option A	Option B	Option C	Option D		
		3	7	12	18		

4	2_11 Mathematics	Number System	Shyam's father is old as Shyam. Shy mother is 25 year average age of thit three is 20 years. Shyam?	ram's s old. The is family of How old is		D
		0 - 1 4		Answer Opti		
	5329	Option A	Option B	Option C	Option D	
	3323	15 years	10 years	7 years	5 years	
	2_11	Number System	The average of the natural numbers i	e 1 <sup>st</sup> five	,	
		System	natarar nambers i			
	Mathematics			Answer Opti	ons	С
5		Option A	Option B	Option C	Option D	
	4475	2.25	2.5	3	2.5	
	44/5	2.25	2.5	3	3.5	
6	2_11	Number	What will be the r	emainder		
	Mathematics	System	when 4 <sup>6788</sup> is divid	ded by 5?		
	5332			_		
		0 11 4		Answer Opti		Α
		Option A	Option B	Option C	Option D	
		1	2	3	4	
		Number	See the following		1x1 Square. 2x2 Square. 3x3 Square. 4x4 Square.	
		System	matchstick patter		4 matchsticks	
		-			used  12 matchslicks used	
			How many match		24 matchsticks used	С
	2_11		would be required		40 matchsticks used	
7	Mathematics		a similar 10 × 10 s pattern?	quare		
			paccerni			
				Answer Opti		
	5333	Option A	Option B	Option C	Option D	
		100	200	220	500	
		Number	The pattern of r	l		
		System	below forms a s			
			sequence called	•		
	2 11		Fibonacci seque			
8	2_11		Study the first 7	,		D
	Mathematics		numbers given	below		
			and understand	the		
			pattern			

	4488		1,1,2,3,5,8,13			
			What could the numbers of the sequence be?			
				Answer Opti		
		Option A	Option B	Option C	Option D	
		18 and 23	18 and 31	21 and 26	21 and 34	
	2_11	Number System	Mr. Malkani owns with exactly 100 r first room is num the second one as	rooms. The bered as 1,		
	Mathematics		on. However, bei			
			superstitious mar			D
9	4490		taken care that no			
			his hotel bears th 13 or any of its m			
			13 of any of its in	antipies.		
			What is the room			
			of the 100 <sup>th</sup> room hotel?	in the		
			ı	Answer Opti	l ons	_
		Option A	Option B	Option C	Option D	
		87	100	107	108	
		Number	If x + 5 is a multip			
		System	which of the follo	•		
10	2_11		MUST be a multip	ole of 9?		
10	Mathematics			Answer Opti		
		Option A	Option B	Option C	Option D	С
	4491	x <sup>2</sup> + 25	3x + 5	(x + 5)(x + 5)	(x + 5)(x + 9)	
				,		
	2_11		A certain whole nu			
11	Mathamatica		multiplied by 90 an divided by 2. Which			
	Mathematics		following could be			D

	5296			Answer Opti	ons	
		Option A	Option B	Option C	Option D	
		33228	52320	61635	26550	
		Number	Adil's bathroom h	l ias two		
		System	taps next to each	other and		
	2_11	,	a bucket is kept u			
12	_		them. Tap 1 alone			
	Mathematics		flow) can fill HALF	-		
			bucket in 2 minut	es and Tap		
			2 alone (at full flo	w) can fill		
	4492		HALF the bucket i	n 3		Α
			minutes.			
			If both taps are to	ırned on		
			(to full flow), in h			
			time will the buck	_		
			filled completely?			
				Answer Opti		
		Option	Option	Option	Option	
		Α	В	С	D	
		2 minutes	2 minutes 30	5 minutes	10 minutes	
		24 seconds	seconds			

Q	Folder	Topic	Question with Answer	Image (If Any)	Correct
•	name &		Options		Answer
Ν	Question				(Option-
	Code				A,B,C,D)

13	2_11 Mathematics	UMBER YSTEM	2. 3		С		
	4465	Option	A Option B		Option C	Option D	
		-69. 3	-2310		0. 00231	<sup>1</sup> / <sub>2.31</sub> × 10 <sup>3</sup>	
14	2_11 Mathematics 5298	UMBER YSTEM	$\frac{3 \times 10^3}{6 \times 10^4} is$				С
				Ans	swer Options		
		Option	Α	Option B	Option C	Option D	
		0. 5 × (10) <sup>3/4</sup>		0. 5 × 10	(2 × 10) <sup>-1</sup>	2 × (10)-1	

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er	Image (If Any)	Correct Answ (Option-A,B,C	
15	5_29	Number	A numb	er N is increase	d by		D	
	Mathemati	System	100%. T	he resulting nu	mber			
	cs		is then c	lecreased by 10	00%.			
	11411		The fina	l result will be				
				Ans	wer (	Options		
		Option	n A	Option B O		ption C	Option D	
		50N	50N			N <sup>2</sup>	0	

Q. N	Folder name & Question Code	Topic	Quest	ion with Answ Options	er	Image (If Any)	Correct Answ (Option-A,B,C	
	5_29	Number	Of all the	e children who			А	
	Mathemati	System	attende	d a party, 40% v	were			
	cs		boys. 40% of the boys and					
	11413		60% of t	he girls who				
	11413		attende	d the party cho	se			
			ice crear	m for dessert. V	Vhat			
			percent	of the children	at			
			the part	the party chose ice cream?				
				Ans	wer (	Options		
		Option	n A	Option B	Option C		Option D	
		52%	6	50%		42%	24%	

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
	5_29	Number	Mr. Kaul	deposits a fixe	d			С	
	Mathemati	System	amount	of money for a	5				
	cs		year per	iod. Some deta	ils of				
	11428		the acco	unt (Interest					
	11420		compou	nded annually)	are				
			given be	on					
			which interest is computed						
			for the f	irst year : Rs 40	000				
			Interest	earned for the	first				
			year : Rs	2000 Interest					
			earned f	or the second y	ear :				
			Rs 2100	Interest earne	d for				
			the third	l year : Rs 2205	The				
			amount	(Principal) on w	/hich				
			the inte	est for the four	rth				
			year will be calculated is						
			<u>I</u>	Ans	wer (	Dptions	ļ.		
		Option	n A	Option B	C	ption C		Option D	
		Rs 2,2	205 Rs 40,000 R		s 46,305		Rs 46,615		

Q.	Folder	Topic	Ques	tion with Answ	er	Image		Correct Answ	
N	name & Question Code			Options		(If Any)		(Option-A,B,C	,,UJ
4	5_26	Number	In Decei	mber 2001, a so	chool			С	
	Mathemati	System	had 103	0 students. In 2	2002,				
	cs		the stre	ngth rose by 5%	6. But				
	1640		in 2003 <i>,</i>	the strength w	ent				
	1040			y 1%. The stren	_				
				of the school at the end of					
			2003 wa	as					
				Ans	wer C	Options			
		Option A		Option B	С	ption C		Option D	
		1030 x 4/10	0	1030(1+	1030	(1 + 5/100	103	30 + 5/100 - 1/100	
				4/100 )	/100 ) )(1- 1/10				

Q. N	Folder name & Question Code	Topic	Qı	estion with Answ Options	/er	Image (If Any)		Correct / (Option-/	
		System	her w hours time would	corrects the time of vatch at 8:45 a.m. is later, it shows the as 12 p.m. What tid her watch show in it is actually 12 p	But 3 e me			P	<b>A</b>
		Option A 15 seconds past 12:16 p.m.		Option B	C	Options Option C ly 12:15	exactly 12	Option D 2:30 p.m.	

Q. N	Folder name & Question Code	Τ	`opic	_	estion with <i>i</i> tions	Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)		
6	3_18 Mathematics 3385	Α	LGEBRA	two BLA	the measureme sticks - one WH CK. What is the k stick?	ITE and one	20cm NOT TO SCALE	С		
					Ans	wer Options				
			Option	ı A	Option B	Option C	Option D			
			15 cm		10 cm	7. 5 cm	4. 5 cm			
7	3_18 Mathematics	A	LGEBRA	If $x + p + y = x + y + z$ , then which of the following MUST be true?				D		
	3386		Answer Options							
	3300		Option	ı A	Option B	Option C	Option D			
			p = y		y = z	y = x	z = p			
8	3_18	А	LGEBRA		87-8-	<sup>7</sup> =		D		
	Mathematics 3388				Ans	wer Options	•			
	3300		Option	ı A	Option B	Option C	Option D			
			0		814	8-49	none of these			
9	9 3_18 Mathematics 3390		LGEBRA	If <i>X</i> 0.1	× 0.1 = 90, w ?	hat is X ÷		D		
					Ans	wer Options				
			Option	ı A	Option B	Option C	Option D			

			9	90	900	9000	
10	3_18 Mathematics 3395	A	st sh	thich of the follow ands for the area nown below (in ap nits)?	of the rectangle	3 3 1	D
				An	swer Options		
			Option A	Option B	Option C	Option D	
			6x	6 + x	3x + 2	3(x +2)	

Q. N	Folder name & Question Code	Т	'opic	_	estion with <i>a</i> tions	Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)
11	3_18 Mathematics 3402	A	LGEBRA		ve divide x³ + ult will be	3x by x, the		D
					Ans	wer Options		
			Option	ı A	Option B	Option C	Option D	
			$x^2 + 3x$		$x^3 + 3$	2x + 3	$x^2 + 3$	
12	3_18 Mathematics 3408	Α	LGEBRA	for the Prate who boy perconformal street of s	girls and 100 bo the class 10 bo tibha School. 2 o appeared and s got A grades. centage of the tudents who a des?	ard exam from 5% of the girls I 10% of the What total number		A
					Ans	wer Options		
			Option	ιA	Option B	Option C	Option D	
			16.70%		17.50%	25%	35%	
13	2_11 Mathematics	Α	LGEBRA	(x +	- 1)³ is the san	ne as		С
	5303				Ans			
		Option		ı A	Option B	Option C	Option D	
			x <sup>3</sup> + 1		$(x^2 + 1) (x + 1)$	$(x + 1) (x + 1)^2$	$x^3 + 3x^2 + 1$	

14	2_11 Mathematics 4487	ALGEE	wee day. defe	A factory works 6 days every week and produces x bulbs every day. On an average 7 bulbs are defective every day. How many good bulbs will be produced in y weeks?					
			Answer Options						
		Op	otion A	Option B	Option C	Option D			
		6ху	y - 42y	6x - 7y	42x - 6y	(6x - 7) y			

Q. N	Folder name & Question Code	Topic	_	estion with tions	Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)
15	2_11 Mathematics 4469	ALGEBRA	in t	ich of these te he simplest for + x) (x²-2x +2)?	•		В
				Ans			
		Option	ı A	Option B	Option C	Option D	
		-2x <sup>3</sup>		<b>X</b> <sup>3</sup>	3x³	6x³	

Q	Folder	Т	opic	Qu	estion with A	ınswer	Image (If Any)	Correct
	name &			Options				Answer
Ν	Question							(Option-
	Code							A,B,C,D)
1	2_11 Mathematics 4481	A	LGEBRA		< -2, the LEAST eger value of 2	· ·		A
					Ans	swer Options		
			Option A		Option B	Option C	Option D	
			5		3	-1	Can't say	

Q . N	Folder name & Question Code	Т	opic		estion with A tions	nswer	Image (If Any)	Correct Answer (Option- A,B,C,D)	
2	3_19 Mathematics 2786	Α	LGEBRA	des	ich of the follogeribes the oper nbers x and y?			D	
					Ans	swer Options			
			Option	Α	Option B	Option C	Option D		
			x* y = xy	+ 1	$X^*y = 2x + y$	$x * y = (x + y)^2$	$X^* y = X^2 + y$		
3	3_19 Mathematics 2787	A	LGEBRA	Nancy thinks of an operation $x * y$ = $2(x + y)$ and gives the following 3 * 2 = 10 6 * 1 = 14 clues $5 * 3 = 30$ Which of her clues is/are INCORRECT?				D	
						swer Options			
			Option All three	Α	Option B Only the first one	Option C Only the second one	Option D Only the third one		

Q. N o.	Folder name & Question Code	Т		-	estion with A tions	nswer	Image (If Any)	Correct Answer (Option- A,B,C,D)
4		Α	-  -	-7,	- q = -9, p - r = the greatest of nbers is"	0. 5 and q - s = the four		D
	2_10		·		Ans	swer Options		
	Mathematics		Option A		Option B	Option C	Option D	
	5893		р		q	r	S	

Q N	Folder name & Question Code	Т	opic	Ques Optic	tion with A ons	nswer	Image (If Any)	Correct Answer (Option- A,B,C,D)
5	2_11 MATHEMATI CS 5316	A	lgebra	length	Ilar pentago Is as shown i Ilue of 't'		4q+1 17+6 37-71,0	В
					Ans	swer Options		
			Option	А	Option B	Option C	Option D	
			9		4	3	2	

Q. N	Folder name & Question Code	Topic	Question with Answer Options			Image (If Any)	Correct Answ (Option-A,B,C				
	5_27 Mathemati cs 8460	Geometry	below ca without	f the networks an be drawn lifting the penc g an existing lin			С				
			Answer Options								
		Option	n A	Option B	C	ption C	Option D				
					0-						

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)								
7	5_27	Coordinate	7 stalls in an exhibition have		С								
	Mathemati	Geometry	to be connected with paths										
	cs		in a way that will allow a										
	8461		visitor to start at stall 1										
			finish at stall 7, visiting	nish at stall 7, visiting									
			very stall exactly once.If										
			the dots show the stalls and										
			the lines the paths, which										
			network of paths is likely to										
			be preferred?										
			Answer (	-									
		Option	n A Option B C	Option C	Option D								
		7											

Q. N	Folder name &	Topic	Quest	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C			
	Question Code			Options		(II Ally)		(Option 7,5,0	.,,		
	5_27 Mathemati cs 8433	Geometry	line is sh followin	f the real numb own. Which of g points best nts the location	the	A B C D 2 3 4 5 6 7	C				
			Answer Options								
		Option	1 A	Option B	0	ption C		Option D			
		A		В		С		D			

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er	Image (	If Any)	Corre Answ (Optic A,B,C,	er on-
	5_27 Mathemati cs 8438	Geometry	right at the rectanguest the figure from a continuity.	post has to be fi the centre of th ular lawn showr re.At what dista orner should th st be fixed?	e nin nce <sup>30</sup>		0 ————————————————————————————————————	А	
				Ans	wer Op				
		Optio	n A Option B O		Op	tion C	Op	tion D	
		25n	า	35m	5	50m		70m	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
	5_28 Mathemati cs 10107	Geometry	'transfor ways. St transfor below and question slides all plane figure 1 figure 1 figure, wo 0. What a values for translating	mations descriled answer the n. A 'translation's the points in a gure through the stance in the san. Let horizonta on be given by ical by 'v'. Con as the original with h = 0, v = are the h and vor the following aking Figure 1 are	n' e ime il 'h' sider	g	h = v = K	В	
				Ans	wer O	ptions			
		Optio		Option B		ption C		Option D	
		h = -1, v = -1	1	h = -1, v = 0	h = 0,	v = -1	h = 2	2, v = -1	

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
11	5_28 Mathemati cs 10108	Geometry	A plane figure can be 'transformed' in different ways. Study the transformations described below and answer the question. A 'translation' slides all the points in a plane figure through the same distance in the same direction. Let horizontal translation be given by 'h' and vertical by 'v'. Consider Figure 1 as the original figure, with h = 0, v = 0.A 'reflection' flips all the points of a plane over a line, called the 'mirror'. If Figure 1 is reflected using the y-axis as the mirror, it will look like this: If Figure 1 were to be translated to the position h = 0, v = 1, and then reflected using the y-axis as the mirror, what would be the resultant position?		Figure 1 Horizontal Vertical translation  y - axis  Reflection of figure 1
			Answer	•	
		Option	n A Option B (	Option C	Option D
		K		× ←	<b>X</b>

Q. N	Folder name &	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
	Question Code			·		` ''		, ,	
12		Geometry	from ho is on her superma she stop his draw on to th spends s there an home. V below co	gh and her son me in their car. If way to the arket. On the way to drop her so wing class. She does not some time shoped then drives but the graph or rectly describing specification.	She ay, on at rives ping ack phs			D	
		Option option lower from home	n A	Option B		Options Option C	Obstance from home	otion D	
		TIME		TIME	J1. 3	TIME	TIN	ME	

Q N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)					
13		Linear equation s in two variables	Jamal's house (J) and Tarang's house (T) are 10 km apart on a straight road. One day, both of them started from their houses at the same moment and met on the road after half an hour. If Jamal walked 2 km/hr faster than Tarang, which diagram correctly shows the position of their meeting point, P?		C					
	3_19 Mathematics		Answer Options							
	2794		4km 6km	OPTION A						
				OPTION B						
			J P 11	T OPTION B						
			5.5km 4.5km OPTION C							
			6km 4km	OPTION D						

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C			
	[ <del>-</del>			cut into 3 piec				С			
	Mathemati	Equations In	whose v	veights are in th	e						
	cs	Two	ratio 2:1	tio 2:1:4.If the third piece							
	1628	Variables	weighs 3	reighs 360 g more than the							
			second,	how much did t	he						
			whole ca	ake weigh?							
				Ans	ver (	Options					
		Option	1 A	A Option B O		Option C	Op	otion D			
		1.44	kg	1.26 kg 8		840 g	630 g				

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
	_		1 -	2/y-2 then y is				D	
	Mathemati	Equations In	uations In equal to						
	cs	Two							
	1642	Variables							
				Ans	wer C	Options			
		Option	A Option B		C	Option C		Option D	
		2/(x + 2)	2/2(x + 2)		(x + 2)/2		2x + 2		

## **Question Paper**

## Set 2

Subject : Maths Grade: IX

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C				
1	_			$x = 3$ , what would be of $x^2 + 1/x^2$ b				С				
	cs	Two Variables		,								
			Answer Options									
		Option	n A	Option B	C	ption C		Option D				
		18		9	7		6					

Q.	Folder	Topic	Quest	Question with Answer				Correct Answ	ver
N	name &			Options		(If Any)		(Option-A,B,C	;,D)
	Question								
	Code								
2	5_26	Linear	There a	re only 1-rupee	and			В	
	Mathemati	Equations In	2-rupee	coins in a bag.	The				
	cs	Two	total va	alue of the 1-ru	pee				
	1653	Variables	coins	s the same as t					
			total va	alue of the 2-ru	pee				
			coins. If the bag has x coins						
			in all,	what is their to	tal				
			v	alue (in Rs.)?					
		Option	n A Option B C		ption C	O <sub>l</sub>	ption D	]	
		3x	4x/3		3x/4		3x/2		

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C		
3	5_26 Mathemati cs	Two Variables	exactly Mr. Pe consum Mr. Pesi rice in doctor'	g bag of rice las 30 days for Mrs stonjee when b ne equal amour tonjee cuts dow take by half on s advice, how n ould a 3 kg bag them?	and ooth its. If in his his nany			В		
			Answer Options							
		Option	n A	Option B		ption C		Option D		
		35		40	42		45			

Q. N	Folder name & Question Code	Topic	Quest	ion with Answe	er	Image (If Any)		Correct Answ (Option-A,B,C			
4	Mathemati cs	Linear Equations In Two Variables	runnir metre/s by a plat 11:00:1 images. time wl	metre long tra g at a speed of econd starts par 200 metre long form at exactly 0. See the adjoi What would be nen the entire thishes crossing the platform?	10 ssing s ning the rain	75.55		D			
				Answer Options							
		Option			ption C		Option D				
		11:00:	20	11:00:30	1	1:00:44		11:00:50			

Q. N	Folder name & Question Code	Topic	Quest	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
5	Mathemati cs	Equations In Two Variables	selling p by 10 winte over, he price b sellir percen increas	eeper decrease orice of a ceiling of a ceiling of a ceiling or ceiling decides to rais oack to the origing price. By what would he need to the lowered porder to do this?	g fan of is e the nal ot d to orice			В	
				Ans	wer C	Options	l e		
		Option	A Option B O		ption C		Option D		
		20%	ó	11.11%		10%		9.99%	

Q.	Folder	Topic	Ques	tion with Answ	er	Image		Correct Answ	ver
N	name &			Options		(If Any)		(Option-A,B,C	,,D)
	Question								
	Code								
6	5_27	Linear	Soha	il's autumn bre	ak			D	
	Mathemati	Equations In	lasted:	x days. Of these	, he				
	CS	Two	was c	out of station fo	r 8				
	8449	Variables	days.	For the remain	ing				
			days, h	ays, his mother promised					
			him Rs.	im Rs. 10 per day to clean					
			up the	p the whole house. At the					
			end of t	nd of the break, she was so					
			happy	with his work, t	hat				
			she de	cided to square	the				
			amount	due to him. Wl	nat is				
			the amo	ount that Sohail	got?				
				Answer Options					
		Option	n A	Option B	0	ption C	Ор	tion D	
		Rs. (100)	( <sup>2</sup> - 8)	Rs. [10+x - 8)] <sup>2</sup>	Rs.	10(x - 8) <sup>2</sup>	Rs. 1	00(x - 8) <sup>2</sup>	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
7	cs	Linear Equations In Two Variables	printed in execu	value of A will if flowchart show the image , is ted?(A← 5 mease value of A is some 5)	own ans	A + A + A   C + C + 1   No   In C	3 B	С	
				Ans	wer (	Options			
		Option	ı A	Option B	C	ption C		Option D	]
		8		12	10		17		

Q. N	Folder name & Question	Topic	Ques	tion with Answ Options	er	Image (If Any)	Correct Answ (Option-A,B,C,	
8	Mathemati cs	Linear Equations In Two Variables	in the Whic	ph of y = p is she adjoining imag h of the following the graph of y 2?	ge. ng	x < y =	B ->	
				Ans	wer C	Options		
		Option	n A	Option B	0	ption C	Option D	
		x <	<b>→</b> = p - 2	$x \leftarrow y$ $y = y$	<i>x</i> ←	y = p - 2	$x \leftarrow \begin{bmatrix} x \\ -d \\ x \end{bmatrix}$	

Q.	Folder	Topic	Quest	tion with Answ	er	Image	Correct Answ	/er
N	name &			Options		(If Any)	(Option-A,B,C	,D)
	Question							
	Code							
9	5_27	Linear	Mrs. Nai	r opts for a mo	bile		С	
	Mathemati	Equations In	phone o	ffer that charge	s a			
	CS	Two	monthly	fee of Rs. 250	olus			
	8437	Variables	a charge	of Rs. 1.25 per				
			minute f	or local calls.Sh	е			
			fixes a b	udget of Rs. 400	) per			
			month fo	or her mobile p	hone			
			bill. At m	nost how many				
			minutes	can she use the	<del>)</del>			
			phone (I	ocal) each mon	th			
			while sta	aying within hei				
			budget					
				Ans	wer (	Options		
		Option	n A	Option B	C	ption C	Option D	
		100	)	110		120	150	

Q. N	Folder name &	Topic	Quest	tion with Answe	er	Image (If Any)		Correct Answ (Option-A,B,C	
	Question Code								
10	5_27 Mathemati cs	Linear Equations In Two Variables	image maxim month Ahme which period maxin	iph in the adjoin shows the avera num and minimuly temperatures dabad in a year n of the following ds did the average num temperatured a steady fall?	age um s in In ge ge	50 50 40 40 40 40 40 40 40 40 40 40 40 40 40	MAY	D	
				Ansv	ver C	Options			
		Option	n A	Option B	C	option C		Option D	
		July to	Sep	Sep to Nov	Fe	eb to Apr		May to July	

Q. N	Folder name &	Topic	Quest	tion with Answ Options	er	Image Any)	e (If	Correct Ans (Option-A,B,	
	Question Code								
11	Mathemati cs	Linear Equations In Two Variables	first number m odd the tabl the rati first m that	io of the sum of meven natural sto that of the numbers is give e. According to of the sum of even numbers of the first moders is given by texpression	first n in this, the and	Value of <i>m</i>   2   3   4	Ratio 3:2 4:3 5:4	D	
				Ans	wer C	Options			
		Option	n A	Option B	С	ption C		Option D	
		$\frac{m}{m-1}$		3 <u>m</u>	$\frac{m}{m+1}$		$\frac{m+}{m}$	<u></u>	

Q.	Folder	Topic	Quest	tion with Answ	er	Image	С	Correct Answ	ver
N	name &			Options		(If Any)	(0	ption-A,B,C	:,D)
	Question								
	Code								
12	5_27	Linear	While	doing her Phys	ics			D	
	Mathemati	Equations In	homew	ork, Archana ha	s to				
	cs	Two	use the	formula 1/R = 1	./R <sub>1</sub> +				
	8444	Variables	$1/R_2$ . Ho	ow could she re	write				
			this f	ormula to get tl	ne				
			correct	value of R <sub>2</sub> who	en R				
			an	d R₁ are given?					
				Answer Options					
		Option	n A	Option B	С	ption C	Optio	n D	
		$R_2 = R$	- R <sub>1</sub>	$R_2 = 1/(R-R_1)$	R <sub>2</sub> =	$(R-R_1-RR_1)$	$R_2 = RR_{1}$	/(R <sub>1</sub> -R)	

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
13	5_28	Linear	A painter is able to paint a		D
	Mathemati	Equations In	flat in 8 days. How many		
	CS	Two	days would it have taken to		
	10099	Variables	paint the flat if he had two		
			more painters working with		
			him - one working at the		
			same speed as him, and		
			another working at double		
			that speed ?		

		An	swer Options		
	Option A	Option B	Option C	Option D	
	11	5	4	2	

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
14	Mathemati cs	Linear Equations In Two Variables	The ratio of the height of two plants X and Y is 2:1. If plant X grows at the rate of 2 metres per year, at what rate should plant Y grow so that after 4 years they are of the same height?		D

	Ans	wer Options				
Option A	Option B	Option C	Option D			
1.5 metres per year	.5 metres per year 2.25 metres 2.5 metres per It will vary depending on					
	per year	year	the height of Y.			

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
15	5_28	Linear	The light signals at a traffic		С
	Mathemati	Equations In	crossing (in a particular		
	cs	Two	direction) were timed in		
	10103	Variables	such a way that the traffic		
			had the 'STOP' signal for s		
			seconds and the 'GO' signal		
			for g seconds. Rajat stopped		
			at the signal when the light		

to he cross green signeen signexactly GREEN how ma	turned RED. eavy traffic at the ing, he misses to gnal twice and so when the light to the third time. any seconds was the crossing?	ne he starts turns For		
	Ans	wer Options		
Option A	Option D			
2s + g	2(s + g)	3s + 2g	3(s + g)	

Q N	Folder name & Question Code		opic	Op <sup>-</sup>	estion with A tions		Image (If Any)	Correct Answer (Option- A,B,C,D)
1		Ε	quation equations will the value of y decrease as the value of x					
	3_19 Mathematics	V	variables increases?			swor Ontions		
		Option A			Option B	Option C	Option D	_
	2781	y = x-1			y = 2x-15	y = 5-2x	$y = \frac{x}{3}$	
2	3_19 Mathematics	Equation m l s in two tak			ong trench. Ho e 2 men workir e to dig a 16 m	long trench?		В
	2793		Option 1 day	Α	Option B  2 days	Option C 4 days	Option D 8 days	
3	3_19 Mathematics	equation s in two variables ration 2:			kbar, Ali and Arman are 3 rothers. The ratio of Akbar's age o Arman's age is 1 : 2 and the atio of Akbar's age to Ali's age is : 5. If the eldest boy is 10 years ld, how old is the youngest one?			С
	2795		Option 1 year	Α	Option B  2years	Option C  4 years	Option D 5 years	

Q . N	Folder name & Question Code	T	opic	Ques	tion with A	nswer	Image (If Any)	Correct Answer (Option- A,B,C,D)		
4	3_19 Mathematics 2806		near quation	a new the pa Supar she ca helpir Which Supar hours to do	pair of jeans air she wants na's mother an earn Rs. 1 ng her with the n of the follow na figure out (x) of house	tells her that 5 per hour by ne housework. wing will help		A		
				-	Ans	swer Options				
			Option	А	Option B	Option C	Option D			
			538+15x	(=750	15x=750	750-538x=15	(538+15)x=750			
5	3_19 Mathematics 2800	e in	near quation two ariables	has pucuston intendiction of actual annous prices	ut up in his simers. Howeveling to sell his rice, he has reat 10% highed marked pricuncing the sawould he bede original ma	narked each r than the ce before	Sale! Sale! 10% Off on all Items Buy Today	D		
			Option	Α (	Option B	Option C	Option D	-		
			P		10%of P	90%of P	99% of P			
6	3_19 Mathematics		near quation	One r every gains will it	started two clocks at the same time. One runs slow and loses 1 minute every hour. The other one is fast and gains 3 minutes every hour. How long will it take for the faster clock to be exactly one hour ahead of the slower					

			ck?	cloo		2796	
	ption D	Option C C	Option B	Option A			
	12 hours	15 hours	18 hours	1 day	-		
orrect	Image (If Any)	nswer	estion with A	opic Qu	Т	Folder	Q
nswer			Options			name &	
Option-						Question	Ν
,B,C,D)						Code	
			he weighing sca				7
_مم		napes represent		-	e		
<u> </u>	<u> </u>	_	the same weights. According to the balanced scales P and Q, what			3 19	
Q	?		weights should be put on the par			Mathematics	
ļ	R		on the right to balance scale R?				
		wer Options	Answer Options			2807	
	ption D	•	Option B	Option A			
	D.	C.	B.				
orrect				A.	Т.	Folder	
nswer	Image (If Any)	liswei	estion with A	•	1 (	name &	Q
			tions	ΙΟΡ			N
Option-						Question Code	N
,B,C,D)		e friends O's	and R are thre	near P, C	1;	Coue	9
			ght is 5/6 times	-			
ļ			s's height is 1/5		S		
		statements is	Which of these			2_11	
			true?			Mathematics	
		•	Answer Options		L,	1161	
	ption D	•				4464	
	P and R are of the	Q is shorter	P is shorter				
	same height	than R	1 9 1				
	•	Option C C	Option B P is shorter		-	4464	

	Q. N	Folder name &	Topic	Ques	tion with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)	
		Question Code						
1	0	252&11415	ON TO EUCLID'S	planar. I followin	, Q and R are co- n which of the g cases will they ARILY be collinear?		С	
				ı	Answ	er Options		
			Option	n A	Option B	Option C	Option D	
			When PQ =	PR	When PQ + PR >	When $PQ + QR = PR$	When PR < PQ + QR	
					QR			

Q. N	Folder name & Question	Topic	Ques	tion with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)	
	Code						
11	251&11414	ANGLES	inscribe PQ    R	adrilateral PQRS d in a circle, with S, which of the g is NOT necessarily	P	A	
				Answe	r Options		
		Option	n A	Option B	Option C	Option D	
		∠Q + ∠ P =	180 <sup>0</sup>	$\angle Q + \angle S = 180^{\circ}$	$\angle Q + \angle R = 180^{\circ}$	$^{\circ}$ $\angle$ S + $\angle$ P = 180 $^{\circ}$	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (		Correct Answ (Option-A,B,	
12	255&11418	ANGLES	AC, C BCIf the triangle	ollowing figure QP    AB and RC perimeter of ABC is 24 cm, the er of triangle P	ો    ne	B P	o c		С
				Ans	wer (	Options			
		Optio	n A	Option B	C	option C	Opti	on D	
		6 cm		8 cm	12 cn	n	16 cm		

Q.	Folder	Topic	Ques	tion with Answer	Image (If Any)		Correct Answ	er
N	name &			Options			(Option-A,B,0	C,D)
	Question							
	Code							
13	260&11425	LINES AND	If the length of the longer		В			
		ANGLES	line is 60	Ocm, the length of	m —			
			the sho	ter one is				
				Answ	er Options			
		Option	n A	Option B	Option C		Option D	
		25 cm		22.5 cm	20 cm	18 cm		

Q.	Folder	Topic	Questic	on with Answer Op	tions	Image (If	Correct
N	name &				Any)	Answer	
	Question					(Option-	
	Code					A,B,C,D)	
14	8459	LINES AND	The clocks	below show the d	ate and time in two	12	С
		ANGLES	different p	places in the world	at the same, who	\ \frac{1}{2}	
			stays in M	umbai, wants to ch	at with a friend who	9 / 3	
			stays in Lo	s Angeles on the in	iternet. Everyday,	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
			George is	on the internet fro	m 9 a.m. to 8 p.m.		
			(Mumbai t	time) and his frienc	l is on the internet	Mumbai 5.30 a.m. (13	
			,	n. to 7 p.m. (Los An			
				to the local time in	•		
				a suitable time for	•		
			<u>I</u>	Answ			
		Option	n A	Option B	Option D		
		9.00 a.m. to	9.30 a.m	6.00 p.m. to 7.00	7.30 p.m. to 8.00	9.00 a.m. to 7.00 p.	.m.
				p.m.	p.m.		

Q. N	Folder name & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)		Correct Answer (Option-A,B,C,D)
15	8423	LINES AND ANGLES	tempera experim these co	erence between two ature readings in an ent was 9°Which of ould be the ature readings?			В
				Answer Options			
		Optio	on A Option B Option C Option D				Option D
		1 and -6 <sup>0</sup>		-5 <sup>0</sup> and 4 <sup>0</sup>	-1 <sup>0</sup> and 9 <sup>0</sup>	-2 <sup>0</sup> and 1	<b>1</b> <sup>0</sup>

Q. N	Folder name & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)		Correct Answ (Option-A,B,0	
1		LINES AND ANGLES	between	the smaller angle the hour and the hand of a clock at			В	
				Answ	er Options			
		Optio	n A	Option B	•		Option D	
		$105^{0}$		$110^{0}$	$115^{0}$	$120^{0}$		

S.N	Folder Number & Question Code		Topic	Questi	on with Answer Options		Image (If Any)		Correct Answer (Option- A,B,C,D)
2	2_10 Mathematics	TRIA		represen <sup>.</sup>	the following could t the lengths of the sides of gle shown below?		С		
	5891		Answer Options						
			Option A	A	Option B		Option C	Opti	on D
			6 units, 8 units,	12 units	4 units, 6 units, 5 units 15 units, 9 units, 12 uni		15 units, 9 units, 12 units	10 units, 8 (	units, 4 units
3	2_10 Mathematics	TRIA		to side Q not to sca	gle here has side RP equal R. The drawing shown is ale. Which angle of the CAN have a degree measure	م ک	PR		C
	5898					Answer	Ontions		
			Option A	4	Option B	7.1150001	Option C	Option	D
			∠P		∠Q	·		None of th	

S.N	Folder Number & Question Code		Topic	Questio	n with Answer Options	Ima	ge (If Any)	Correct Answer (Option- A,B,C,D)
4	2_10 Mathematics 5907	TRIA	ANGLES	Shown here are two CONGRUENT scalene triangles. Some of the measurements are given. What is the measure of the angle marked x?		5 cm 58° 5 cm		Α
			Option 55 <sup>0</sup>	Answer Options           A         Option B         Option C           580         670		Option C	Option D 65 <sup>0</sup>	
5	2_10 Mathematics 5910	TRIA		the perime semi-perin What is th	perimeter of a triangle is half o eter. For the triangle below the neter is (a + b + c)/2. ne ratio of the side of an I triangle to its semi-perimeter	a		С
			Option A         Option B           01:02         01:03			Ver Options Option C 02:03		tion D 1:06

S.N	Folder Number & Question Code	Topic	Question with	h Answer Options	Image (	If Any)	Correct Answer (Option- A,B,C,D)				
6	2_10 Mathematics 5911	TRIANGLES	angle QPR. QP	triangle PQR with PQ = PR, PS i is extended to T and PU is drav ch of the following CANNOT be	P	U	D				
			Answer Options								
		Opt	tion A	Option B	Option C		Option D				
		PS is perpendic	ular to QR.	PU is the bisector of angle TPR.	PS is a median of the	triangle.	PR is the bisec	tor of angle UPS.			

7	2_10		to tile the tr How many o	Il triangles of side 1 cm are requirangle shown equilateral triangles of side 1cm to cover the rhombus shown?	n will	1 3 4	3 cm 60	В		
	Mathematics		Answer Options							
		Option A		Option B	Option C		Opti	ion D		
	5916	9		18	24		3	36		
					•		•			

S.N	Folder Number & Question Code	Topic		with Answer Options	Image (If Any)		Correct Answer (Option- A,B,C,D)	
8	3_18 Mathematics 3416	TRIANGLES	centre.	egular pentagon and O is its measure of OQS?	T Q Q		A	
		Ontion	^	·	Options Option C	Option D		
		Option 18 <sup>0</sup>		Option B 22. 5 <sup>0</sup>	Option C Op		tion b	
9	3_18 Mathematics 3418	TRIANGLES	4 tiles toget (The unders	side of the tiles are plain) f tiles is the design made of?			D	
		0.11.5	Δ.	Answer Options Option R			5	
		Option A		Option B  B.	Option C	•	of these	
10	3_18 Mathematics	TRIANGLES What is the shown belo		perimeter of the triangle w?	6 cm		В	
	3393				8 cm			
					Options			
		Option		Option B	Option C	tion C Opti		
		14 centimetres		24 centimetres	28 centimetres	We ca	an't say	

S.N	Folder Number & Question Code	Topic	Question	with Answer Options	Image (If Any) Cor Ans (Op A,B,		
11	3_19 Mathematics 2784	TRIANGLES	cm. The <u>me</u> (The figure s	FG has sides 6 cm, 5 cm and 2 dian EX is drawn as shown. shown is not to scale.) e following could be the length	6 cm 5 cm 5 cm 2 cm	В	
				Answer	Options		
		Option	Α	Option B	Option C	Option D	
		6.1 cm	1	5.4 cm	5 cm	4.8 cm	

12	3_19 Mathematics 2801	TRIANGLES	ladder to a window in t	e, standing near a building, extends its length of 10 metres to reach a certain the building. height of the window from the	3 m		D					
				Answer Options								
		Option	Α	Option B	Option C	Opti	on D					
		6 m		8 m	9 m	11	. m					
13	2_11 Mathematics	TRIANGLES	$b^2 = c^2$ . If (a,	nown as a Pythagorean triplet if a <sup>2</sup> + b, c) is a Pythagorean triplet, which of a must also be a Pythagorean triplet?		D						
	5312		Answer Options									
		Option	Α	Option B	Option C	Opti	ion D					
		$(a^2, b^2, c^2)$		(3a, 4b, 5c)	(a + 2, b + 2, c + 2)	(7a, 7	'b, 7c)					

S.N	Folder Number & Question Code	Topic	Qı	uestion with Answer Options		Image (If A	uny)	Correct Answer (Option- A,B,C,D)
14	2_11 Mathematics 5318	TRIANGLES	angled triar		o/	N	С	
				Answer C	Options			
		Option	A	Option B		Option C	Opti	on D
		30		32	34	4	2	
15	2_11 Mathematics 5319		equal sides Which set o	w are two isosceles triangles wi marked: of conditions given below is SUFF triangles to be congruent?	F G	, M	С	
				Answe Option				
		Option  ZE = ZK and Z		Option B  EF = KL and EG = KM	F	Option C G = LM and∠E =∠ K	$\angle E = \angle K = 90^{\circ}$	on D

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1	2_11 Mathemat ics 4472		In which case will the pair o DEFINITELY be congruent? ( scale - consider only measu	Figures not to	С
		Answer Option A	Options Option B	Option C	Option D
		A. Sptisin X	70° 50° 70° 50° B.	80° 4cm C.	60° 60° 60° 60° D.

Q. N	Folder name & Question Code	Topic		n with Answer Options		Image (			ectAnswer on-A,B,C,D)
	5_27 8424	rals		measure of the e in the rhombu e image?	s	x+14°	80	В	
				Ans	wer (	Options	is NOT to scale)		
		Opt	ion A	Option B		ption C	Option D		
		108 <sup>0</sup>		72 <sup>0</sup>	58º		22 <sup>0</sup>		

Q. N	Folder name & Question Code	Topic	,	n with Answer Options		Image (	• •		ectAnswer on-A,B,C,D)
3	5_27 8432	rals	rectangle, a have the sa	es - a square, a triangle and a ci me area, which c ave the smallest				D	
				Ans	wer (	Options			
		Opt	tion A	Option B	C	ption C	Option D		
		the triang	le	the square	the re	ctangle	the circle		

Folder	Т	opic	Que	estion with A	nswer	Image (If Any)	Correct
name &			Opt	tions			Answer
Question							(Option-
Code							A,B,C,D)
2_11	Q	uadrila	MN	OP is a quadril	ateral with∠M:		С
	te	erals	۷N:	∠O: ∠P=2:2:1:1	L and MN and		
			OP a	ae opposite sid	les ,what kind		
CS			of quadrilateral is MNOP				
5307			An avvan Ontions				
				AIIS	swer Options		
		Option A	A Option B Option C			Option D	
		•		•			
		A rectang	gle	A rhombus	A trapezium	A parallelogram	
	name & Question Code  2_11  MATHEMATI CS	name & Question Code  2_11  MATHEMATI CS	name & Question Code  2_11 Quadrila terals  MATHEMATI CS 5307  Option	name & Opt Question Code  2_11 Quadrila terals	name & Options  Question Code  2_11 MATHEMATI CS 5307  Quadrila terals  Ans  Option A Option B  Options  Options	name & Question Code       Options         2_11 MATHEMATI CS       Quadrila terals       MNOP is a quadrilateral with ΔM: ΔN: ΔO: ΔP=2:2:1:1 and MN and OP ae opposite sides ,what kind of quadrilateral is MNOP         5307       Answer Options         Option A       Option B       Option C	name & Question Code  2_11 MATHEMATI CS 5307  Options  Option A Option B Option C Option D

5		Q	UADRIL	In q	uadrilateral ABC	$D, \angle A + \angle B =$		D		
	3_18	Α	TERALS		$C + \angle D = 180^{\circ}$ .					
	Mathematics			∠C.	. Quadrilateral	ABCD must be	a			
	3394									
				Answer Options						
			Option	Α	Option B	Option C	Option D			
			Rectangl	е	Parallelogram	Rhombus	Trapezium			

Q	Folder	Т	opic	Que	estion with A	nswer	Image (If Any)	Correct
	name &			Opt	tions			Answer
Ν	Question							(Option-
	Code							A,B,C,D)
6	3_18 Mathematics 3405		TERALS	equa resu of p		each of the two has a perimeter he perimeter (in		D
					Ans			
			Option A				Option D	
			2p		$\frac{2}{3}p$	3p	$\frac{4}{3}p$	

7	319 Mathematics 2792	UADRIL TERALS		at is the measur ked 'q' in the fig	~	115° 110°	A
				Ans	swer Options		
		Option	Α	Option B	Option C	Option D	
		45°		65°	67.5°	70°	
8	319 Mathematics 2805	UADRIL TERALS	opp they the whe If Le edge angl	osite sides of a ray spotted a pupper oad and both ray see the puppy was slie ran at an and of the road and on the road and the road an	by stranded on ushed straight to	70'	D
				Ans	swer Options		
		Option	Α	Option B	Option C	Option D	
		75 <sup>0</sup>		105°	135 <sup>0</sup>	145 <sup>0</sup>	

Q. N	Folder name & Question Code	Торіс	Question with Answe	r Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
9	5_28 10073		If represents 75%,which represents125%	of the following		С
			Answ	er Options		
		Option A	Option B	Option C	Op:	tion D

Q. N	Folder name & Question Code	Topic	Ques	tion with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
10	_	Parallelogra ms and Triangles	triangle length c	tht-angled isosceles , the ratio of the of hypotenuse to the of any of its smaller			A	
				Answ	er Options			
		Option	n A	Option B	Option C		Option D	
		Is always fixed and		Is always fixed and	Is always fixed and	Varies with the cha		
		equal to √2	:1	equal to 1:1	equal to 2:1	in the ler	ngth of its les.	

Q. N	Folder name & Question	Topic	Question with	Answer Optio	ns	Image (If Any)	Correct Answer (Option-
	Code						A,B,C,D)
11	_		A square of side in it as shown. Wh				В
	10085	ms and Triangles	P	R	Ocm		
				Answei	Options		
		Option	n A Option B	Option C	Option	D	
		45 cm <sup>2</sup>	50 cm <sup>2</sup>	25√3 cm²	Can't say without	knowing the posi	tion of Q.

Q. N	Folder name & Question Code	Topi	ic	Ques	tion with Answer Options	Image (If Any)		Correct Answ (Option-A,B,C	
	_	Areas o Parallelo ms and Triangle	ogra	Which two parallelograms are equal in area?		Y W S R		D	
					Answ	er Options			
		Option A			Option B	Option C		Option D	
		PQRS a	and Po	QXY	PQRS and PQVW	RS and PQVW PQTU and PQVW Cannot		e decided	

Q. N	Folder name & Questio n Code	Topic	Que	stion with Answer Options		Correct Ans (Option- A,B,C,D)	swer	
13	5_28 10106	Parallelogra ms and Triangles	touch th board b what wi perimet piece as	white squares that ne border of the elow are cut out, Il happen to the er of the remaining compared to that riginal board?	5	units	В	
				Answ	er Options			
		Optic	n A	Option B	Option C		Option D	
		it will increa	ase by	it will increase by 8	it will decrease by 8	it will rei	main the same	
		16 units		units	units			

Q. N	Folder name &	Topic	Ques	tion with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)	)
	Question Code						
	_	Parallelogra ms and Triangles	smaller by joinir the triar larger th	art of triangle PQR is	, A	D	
				Answ	er Options		
		Option	n A	Option B	Option C	Option D	
		3/5		13/16	49/64	51/64	

## SET-14 MATHS-IX

Q. N	Folder name & Question Code	Topic		n with Answer Options		Image (	lf Any)	t Ans (Op	rrec swer otion ,C,D
	5_26		John takes time to jog outer edge shown here the inner e What is the	s speed the sand 1.5 times as monce along the of the circular eas compared dge.  e width of the total soft the total soft the inner eas compared eas compared dge.	track to		Innei 24m Oute		
						Options	ı		
		-	tion A	Option B		ption C	Opti	on D	
		36m		24 m	15 m		12 m		

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	ver	Image (	lf Any)	Correct Ans (Option-A,B,		
	5_28	Circles	the circl mZOLM KOM = 1	KLM is inscribed with centre Color of the Co	D. If	550 O 16	K	В		
Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	/er	Image (	lf Any)	Corr Answ (Opti A,B,C	ver on-	
	5_29 11416	Circles	shown h	ne figure is not		A 655 B	C	C		
			•	1		ptions				
		Option		Option B	•			ption D		
		65°	35° 25°				115°			

Q. N	Folder name & Question Code		`opic	Op:	estion with a	Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)
5	2_10 Mathematics 5913	С	IRCLES	pieces of radius 5 cm from a large sheet of paper. She then sticks them on a piece of cardboard to form the design shown below in such a way that there is no overlap: What is the perimeter of the shape (in cm)?				C
						wer Options		
			Option	ı A	Option B	Option C	Option D	
			15π		30π	15π+10	30π+10	
6	2_10 Mathematics 5918	С	IRCLES		area of the sh quadrilateral is	•	7 cm 7 cm 7 cm 7 cm 7 cm	С
						wer Options		
			Option	ı A	Option B	Option C	Option D	
			77 cm <sup>2</sup>		98 cm <sup>2</sup>	154 cm <sup>2</sup>	(Cannot say)	
7	2_10 Mathematics 5920	С	IRCLES	be o	largest SEMIC cut out of the r wn here will ha	ectangle	8 cm	В
					Ans	wer Options		
			Option	ı A	Option B	Option C	Option D	
			4 cm		8 cm	9 cm	10 cm	

Q.	Folder	Topic	Question with Answer	Image (If Any)	Correct
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N	name & Question Code			Op	tions			Answer (Option- A,B,C,D)
8	3_18 Mathematics 3421	C	IRCLES	and				С
					Ans			
			Option	2		Option D		
			at 9:30	between 9:48 9:46 and 9:50 9:48			between 9:50 and 9:52	
9	3_18 Mathematics 3391	С	IRCLES		the centre of th ow.What is the n	e circle shown neasure of ∠QPR	Q 150° R	В
					Ans	wer Options		
			Option	ı A	Option B	Option C	Option D	
			30°		105°	210°	150°	
10	3_18 Mathematics 3409	C	IRCLES	resp the is d	pectively (x not e distance betwee cm. If x - y = d, v tive position of t	en their centres what will be the the two circles?		С
			0	<u> </u>		wer Options	0 D	
			Option A.		Option B  B.	Option C  c.	Option D  D.	
11	2_11 Mathematics 5331	C	IRCLES	this	at would be the clock after the H ned by 8°?	•	9 3	С
					Ans	wer Options		
			Option	ı A	Option B	Option C	Option D	
			1:31		1:38	1:46	2:52	

13	2_11 Mathematics 5322	С	oute the The the Wha	ermost circle and		Q	D
				Ans	swer Options		
			Option A	Option B	Option C	Option D	
			1/2	3/7	4/11	7/16	

Q. N	Folder name & Question Code	Т	opic	_	estion with a	Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)
14	319 Mathematics 2783	which supply angle			a drew a quadri th the opposite plementary but es were not. Wh drilateral was PO	angles were the adjacent nat kind of		D
					Ans	wer Options		
			Option	Α	Option B	Option C	Option D	
			A trapezi	um	A rhombus	A parallelogram	A cyclic quadrilateral	
15	319 Mathematics 2776	С	if 65		What will be the measure of angle y if 65% of the semi circular region is shaded?		Centre	В
					Ans	wer Options		
			Option	A	Option B	Option C	Option D	
			60°		63°	65°	75°	

## SET-15 MATHS-IX

Q.	Folder	Topic	Ques	tion with Answer	Image (If Any)	Correct Answer					
N	name &			Options		(Option-A,B,C,D)					
	Question										
	Code										
1	5_29	Circles	Sunidhi'	s mother made a	A						
			square t	able cloth with	2252						
	11419		scallope	d edges made of		*					
			equal se	ual semi-circles as shown:							
			If she w	ants to fix lace all		) <b>←</b> s					
			along th	e scalloped edges,							
			about h	ow many metres of		*					
			lace wo	uld she need?	2 2 2 2						
					₩ 63 cm	<b>→</b> I					
			Answer Options								
		Option	n A	Option B	Option C	Option D					
		4		6	8	12					

Q . N	Folder name & Question Code		Topic	Question with Answer Options			Image (If Any)	Correct Answer (Option- A,B,C,D)
2	319 Mathematics 2783	CIF		which supp angl	a drew a quadri ch the opposite plementary but es were not. Wl drilateral was PO	angles were the adjacent nat kind of		D
					Ans	swer Options		
			Option	A Option B Option C			Option D	
			A trapeziu	um	A rhombus	A parallelogram	A cyclic quadrilateral	

Q . N	Folder name & Question Code		Topic	Question with Answer Options			Image (If Any)	Correct Answer (Option- A,B,C,D)
6	3_19 Mathematics	Ci	ircles	diar sma top wha	o circular sheet meters in the ra Iller circular sh of the larger o at part of the la et remains und	atio 1:2. If the eet is put on ne as shown, arger circular		В
	2780							
			Option	A Option B Option C			Option D	
			1/4		3/4	2/4	4/4	

Q. N	Folder name & Question Code	Topic	-	n with Answer Options	Image	(If Any)	CorrectAnswer (Option-A,B,C,D)	
7	5_26 1661	ons	drawn in the (focuses or pencil along string as sho figure:From an ellipse is	is a closed curve is way: Fix two p foci) and move a g the end of a clo own in the this, we can say the curve traced ig in such a way	sed that I by a	-	С	
			•	Ans	wer Options	Options		
		Opt	tion A	Option B	Option C	Option D		
		its distand fixed poir the same	nt remains		•	the difference of its distances from 2 fixed points remains the sar		

Q. N	Folder name & Question Code	Topic	Question with Answer Options			Image (	If Any)		ectAnswer on-A,B,C,D)
	5_27 8428	Formula	lawn of side At the same	can trim a squar 50 metres in 4 l rate, how long trim a square la res?	hours. will it			A	
				Ans	swer O	ptions			
		Opt	ion A Option B			ption C	Option D		
		1 hour		2 hou 2 hours minut			3 hours		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options	Ima	age (If Any)		CorrectAnswer (Option-A,B,C,D)	
	5_27 8452	Areas and volumes	together 4 ι surface area	ade by putting unit cubes.If the a of solid X is 36 o total surface are ube?	cm²,		A		
				Ans	wer Options				
		Opt	tion A	Option B	Option C	. (	Option D		
		12cm <sup>2</sup>		10 cm <sup>2</sup>	9 cm <sup>2</sup>	6 cm <sup>2</sup>			

Q. N	Folder name & Question Code	Topic	-	n with Answer Options		Image (	(If Any)			ectAnswer on-A,B,C,D)
	5_27 8455	Areas and volumes	x 20 dm has cylinder. Wh volume (in c	ar metal sheet 1 to be rolled to f nat is the maxim cubic decimetres se when the bas	orm a um s) that				В	
				Ans	wer C	ptions				
		Ορτ 1280 π	tion A	on A Option B $\frac{1600}{\pi}$ $\frac{512}{\pi}$			6400 π	Option D		

Q.	Folder	Topic	Questio	n with Answer		Image (	lf Any)	CorrectAr	nswer
N	name &		(	Options				(Option-A,	,B,C,D)
	Question								
	Code								
12	5_27	Surface	Look at this	chocolate wrap	per		F2	В	
	8429	Areas and	shown in th	e Image .Norma	lly,				
		volumes	how many g	grams of this					
			chocolate w	ould you have g	ot for	5	11		
			Rs. 16?		(	\ \( \Co\c	advurg		
					1	4	adbury		
					1				
							Olly of extra)		
							50 g (including 25% ca		
							WT. 50 g (including 25% extra)		
					wer Op				
		Opt	tion A	Option B	Op	tion C	Option D		
		62.5		40	37.5		35		

Q. N	Folder name & Question Code	Topic	Question with Answer Options			Image	(If Any)		ectAnswer on-A,B,C,D)
	8434	Areas and volumes	three-dimen follows: It h It has 12 ed It has 8 faces					D	
				Ans	wer C	Options			
		Opt	tion A	Option B	0	ption C	Option D		
		a cu		a triangular prise	a pyramic	d with hexagonal b	an octahedron		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options	If Any)	CorrectAnswer (Option-A,B,C,D)						
	-	Surface	In the foll	In the following figures, ider								
	_	Areas and volumes										
			According	to these rela	0							
			Answer Options									
		Opt	tion A									
		3:1:6		2:6:1	3:1:2	1:6:1						

Q	Folder	Т	opic	Qu	estion with A	nswer	Image (If Any)	Correct
	name &			Op <sup>r</sup>	tions			Answer
Ν	Question							(Option-
	Code							A,B,C,D)
15	2_11 MATHEMATICS 4466	а	urface rea and olume	togo the how be r		below to form Figure At least nit cubes will the structure	TOP LAYER (1 UNIT CUBE)  MIDDLE LAYER (4 UNIT CUBES)  BOTTOM LAYER (6 UNIT CUBES)  THE L	D  FORMED BY PUTTING AYERS TOGETHER
			Option	Α	Option B	Option C	Option D	
			3	8		11	16	

**Subject**: Mathematics

Grade: 9th

**SET- 16** 

S. N	Folder name & Question Code	Topic	Question Options	with Answer	Image (If Any)		Correct Answer (Option- A,B,C,D)
1.	2_11 Mathematics 4483	MENSUR ATION	and 36 sq cr larger squar in the figure What is the	s of area 64 sq cm m are cut off from a re sheet as shown e: PERIMETER of the part of the sheet?	AREA = 64cm²  AREA = 36cm²	Squares cut (	С
				Options			
		Ор	tion A	Option B	Option C	Op	otion D
		32	2 cm	42 cm	44 cm	<u> </u>	6 cm
2.	2_11 Mathematics 4474	MENSUR ATION	in the shape cylinder. Wh the longest in this jar (w	w is a jar which is e of a right circular hat is the length of stick that could fit without bending or e stick and with no g out)?	12c	cm	В
			tion A	Option B	Option C	-	otion D
		1	2 cm	13 cm	14.25 cm	1	.7 cm

3.	2_11 Mathematics 4480	MENSUR ATION	larger circle If the area c is half the a the ratio of	of the smaller circle rea of the larger, the radius of the le to that of the			С
	1100						
					Options	_	
		Op	tion A	Option B	Option C	Option D  T	
			2	4	$\frac{1}{\sqrt{2}}$		$\sqrt{2}$
4.	2_11 Mathematics 4484	MENSUR ATION	circle showr	e the area of the n if the area of the is 5 sq. cm?	/OI	BA = 75°	В
				Answer	Options		
	Option A			Option B Option C			otion D
		25 s	q. cm	60 sq. cm	$25\pi$ sq. cm	150	) sq. cm
5.	2_11 Mathematics 5334	MENSUR ATION	unit squares I want to tra to Q along t WITHOUT T SIDES OF AN SQUARE. (To of a shaded What would	ouching the corner square is allowed). If the the MINIMUM wered in tracing	S P	R	D
		Answer Options					
		Op	tion A	Option B	Option C	otion D	
		4	cm	8 cm	12 cm	1	4 cm

6.	2_11 Mathematics 5300	MENSUR ATION	longest sticl packed in th	length of the k that can be ne box of the shown below?	20 cm 30 cm		С		
				Answer Options Option B Option C Option D					
		-	tion A	Option B					
		9	0 cm	70 cm	√2900 cm	√24 ————————————————————————————————————	400 cm		
7.	2_11 Mathematics	MENSUR ATION	shown belo on top of ar tower of vo	cal to the one w are piled up one nother to form a lume 1830 cm <sup>3</sup> . height of the n)?	Area of Hexagonal Face = 60cm <sup>2</sup>		В		
	5304								
					Options				
				Option B 30.5	Option C 183	Can not	tion D say unless aber of tiles is given.		
8.	2_11 Mathematics 5315	MENSUR ATION	Two runners X and Y have to race around the circular track shown below.  For safety, runner X is asked to run along the inner circle and runner Y along the outer, which is 140 cm outside the inner one.  If the race is of 4 laps (rounds) for runner X, how many metres ahead of him should runner Y start to make the race fair?		Finishing Line	Runner Y's track Runner Y Runs 140 cm OUTSIDI Runner X	D		

	Option A		Option B	Option D					
		1.4	5.6	8.3	35.2				
2_11 Mathematics 4462	MENSUR ATION	made of 3 u one to its le If the surfac is 18 sq cm,	nit cubes like the ft: te area of the cube what is the surface	UNIT CUBE CU	A				
	-		•	•	Option D				
		42	48	54 81					
2_11 Mathematics 5328	MENSUR ATION	of side 'a' cr one of them POSSIBLE C' the two soli shown below He now war solid entirel paint. Assur total area to	m each. He carves in into the LARGEST /LINDER and fixes ds together as w.  Ints to cover this y with a coat of ming pi = 3, the o be painted (in	a	В				
			Answer	Options					
	Ор	tion A	Option B	Option C	Option D				
	8.	75a²	9a²	5a²	12a²				
_	Mathematics 4462  2_11  Mathematics	MENSUR ATION  2_11 Mathematics 4462  Op  MENSUR ATION  ATION  MENSUR ATION  Op  Op  Op	MENSUR ATION  ATION  MENSUR ATION  If the cuboid made of 3 u one to its lead is 18 sq cm, area of the december	Option A	MENSUR ATION  Answer Options  Option A Option B Option C  42 48 54  MENSUR ATION  MENSUR ATION  Answer Options  Option A Option B Option C  ATION  MENSUR ATION  Option A Option B Option C  42 48 54  MENSUR ATION  Hiralal has two wooden cubes of side 'a' cm each. He carves one of them into the LARGEST POSSIBLE CYLINDER and fixes the two solids together as shown below.  Description A Description Answer Options  Answer Options  Option A Option B Option C				

option D .9.7 cm	
•	
•	
.9.7 cm	
С	
ption D	
140°	
С	
Option D	
20 units	
0	

14	2_11 Mathematics 5302	MENSU RATIO N	The circumference regular sized glass about	A					
			Answer Options						
			Option A Option B			n B	Option C	Option D	
			22cm 14cm			า	10cm	08cm	
15	2_11 Mathematics 4468		The diameter of a regular sized cricket ball would be about						
			Answer Options						
			Option A Option B			Option C	Option D		
			4cm 7cm 10cm 13cm						

## SET-17 MATHS-IX

Q. N	Folder name & Question Code  2_10 Mathematics 5909	S A A	URFACE REAS IND OLUMES	Son mol Whi she qua	Question with Answer Options  Sonali has about half a litre of molten wax to make a candle. Which of these candles could she have made using the entire quantity of wax? (1 cm <sup>3</sup> =1ml)  Answer Options			In	nage (If Any)	A (	orrect Inswer Option- I,B,C,D)
			Option A					Option D			
			Radius of ba Height=25 c		1				Area of base=200 Height=3 cm	cm²	
2	2_10 Mathematics 5915	A	URFACE AREAS AND OLUME	SUR bask dim sho	in wants to co FACE of an old ket with colour ensions of the wn below. Wh a that has to be er?	d was red p bas nat is	ste paper paper. The ket are s the total		RADIUS = 7 cm HEIGHT = 20 cm		C
		Answer Options						_	1		
			Option A		Option B Option C  440 cm <sup>2</sup> 880 cm <sup>2</sup>				otion D 760 cm <sup>2</sup>		

3	2_10 Mathematics 5917	1	SURFACE AREAS AND VOLUME	and exa diff	d covering a di ectly 22 cm, ho erent routes o		Q	С	
			l		An	swer Options			
			Option	A	Option B	Option C	Option D		
			10		8	6	1		
4	2_10 Mathematics 5919	ΑF	JRFACE REAS AND DLUMES	of a $A = \frac{1}{A}$	The formula for calculating the area of the walls of a rectangular room, A is given as: $A = 2h (l + b), \text{ where } h \text{ is the height of the room, } l \text{ its length and } b \text{ its breadth}$ Which of the following would be the correct formula to find the breadth of a room when the				
			area, height and length are given?  Answer Options						
			Option A	A	Option B	Option C	Option D		
			A - 2hl		$\frac{A-l}{2h}$	$\frac{-2h}{A-l}$	$\frac{A}{2h}$ -		
5	2_10 Mathematics 5922	ΑF	JRFACE REAS AND DLUMES	sha ma the a C her	pe shown and rked on it. The n folded along UBE. Which of	e cardboard is g the lines to for f the cubes show structed from th	rm vn	A	
			Answer Options						
			Option A	A	Option B	Option C	Option D		
			A		• B	c	D		

6	3_18 Mathematics 3417	Α	REAS AND OLUMES	What is the leng to cover the enti surface of the pi the width of the (Assume that the tape)	D Surface Surface To of 50cm  Surface with tape	D			
			Option A	Answer Options On A Option B Option C Option D					
			22 cm	25 cm	7.7 m	11 m			
7	3_18 Mathematics 3399	Α	REAS AND OLUMES	The cuboid show of 9 cubes of sides shaded unit cube what will be the remaining solid?	e 1 unit each. If e is REMOVED, surface area of	the	C		
			Answer Options						
			Option A	1 1					
			24 sq. units						

8		S	URFACE	250	ml of water is	poured into a		
	3_18	Α	REAS	con	tainer like the	one shown		Α
	Mathematics	Α	ND	belo	ow which alrea	dy contains		
	3407	٧	OLUME	som	ne water. Assur	ming that no	25cm	
		S		wat	er spills out, w	hat will be the		
				incr	ease in the lev	el of water in		
				the	container? (1 r	ml = 1 cm <sup>3</sup> )	Water ◀	
							₩—10cm—₩	
				Answer Options				
			Option	ı A	Option B	Option C	Option D	
			2. 5 cm		5 cm	10 cm	We can't say	
9		S	URFACE	A solid cylinder made of pure				
	3_19	Α	REAS	met	tal has a mass o	of 24 kg. What		D
	Mathematics	Α	ND	wou	uld the mass be	e if it were		
	2788	٧	OLUME	twi	ce as thick but	only half as		
		S		long	<b>ξ</b> ?			
					Ans	wer Options		
			Option	A Option B Option C		Option C	Option D	
			12 kg		24 kg	36 kg	48kg	]

7 I

10		S	URFACE	A cube of side 3	1 metre is stuck		
	3_19	Α	REAS AND	on top of anoth	ner cube of side		В
	Mathematics	٧	OLUMES	2 metres, which	n in turn is		
	2804			stuck on top of	a cuboid of		
				dimensions (6 r	m x 5 m x 3 m)		
				to form the soli	id shown		
				below. The ent	ire exposed		
				surface of this s	solid (including		
				the bottom of t	the cuboid) has		
				to be painted. I	How many		
				square metres	is that?		
				Ans	swer Options		
			Option A	Option B	Option C	Option D	
			151	146	120	113	
11		S	URFACE	Two squares of	sides 4 cm and		
	3_18	Α	REAS AND	one square of s	ide 5 cm are	4cm	С
	Mathematics	٧	OLUMES	placed as show	n. The shaded	*	
	3420			area is:		, en	
						7,0	
				Ans	swer Options		
			Option A	Option B	Option C	Option D	
			37 cm <sup>2</sup>	41 cm <sup>2</sup>	45 cm <sup>2</sup>	57 cm <sup>2</sup>	

Q. N	Folder name & Question Code	Т	opic	Question with Answer Options			Image (If Any)	Correct Answer (Option- A,B,C,D)
12	318 Mathematics 3401	A A		The piece below is cut out from a circular sheet of radius 21 cm. What is the area of the piece?			00°	В
					Ans			
			Option A	A Option B Option C			Option D	

			23.1 cm <sup>2</sup>		231 cm <sup>2</sup>	346.5 cm <sup>2</sup>	441 cm <sup>2</sup>	
13	318 Mathematics 3410	A A	URFACE REAS .ND OLUMES	lor be til M til	e tiled entirely versions tiled entirely versions of EQUAL SINIMUM numbers with which tone? (No tile ca	cm wide has to with square IZE. What is the per of square		D
			-		Ans	wer Options		
			Option A	4	Option B	Option C	Option D	
			30	42 60 70				
14	210 Mathematics 5902	A A	URFACE .REAS .ND 'OLUMES	distance between any two consecutive points marked on OP (or OQ) is taken to be the unit distance. Which point on			A C B	С
					Ans	wer Options		
			Option A	4	Option B	Option C	Option D	
15	210 Mathematics 5906	A A	URFACE REAS ND OLUMES	Points P, Q and R are co-planar. In which of the following cases will they NECESSARILY be collinear?			С	
					Ans	wer Options		
			Option A	A Option B Option C			Option D	
			When PQ PR	PR > QR When PQ + QR = PR		•	When PR < PQ + QR	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (If Any)		Correct Answ (Option-A,B,C	
	<b>—</b>		a 4 m lor would it	n takes one day t ng trench. How k take 2 men worl e rate to dig a 16 nch?	ong king at			В	
				Ans	wer C	Options			
		Option	n A Option B (			ption C	Option D		
		1 day		2 days	4 days	5	8 days	S	

Q. N	Folder name & Question Code	Topic	Question with Image (If Any) Answer Options				Corre Answ (Option A,B,C	er on-
2	5_29 11412	AREAS & VOLUMES	pieces whare in the third 360 g mosecond, h	cut into 3 hose weights e ratio 2 : 1 : 4.If piece weighs ore than the now much did e cake weigh?				С
				Ans	wer Options			
		Option	n A Option B		Option C	Option D		
		1.44 kg		1.26 kg	840 g	630 g		

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
3	5_29 11417	AREAS & VOLUMES	A solid shape made by joining identical cubes is placed on a table. When viewed from different sides, the solid looks as shown below. Which of these could be the solid?  Answer Option B  Option B	As seen from the TOP	D

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	Any)			Correct Answer (Option A,B,C,D	-
4	5_29 11421	SURFACE AREAS & VOLUMES	of molte candle. candles made us	as about half a en wax to make Which of these could she have sing the ENTIRE of wax?	а	(1 cm³ = 1	ml)	В	
		Radius of bases	=2 cm	Option B	C	Option C  dge=6 cm	Area of base Height		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options	lma	age (If Any)		Correct Answer (Option- A,B,C,D)
5	5_29 11422	AREAS & VOLUMES	CURVED SU waste pape colored pap dimensions are shown l	of the basket below. What is ea that has to be	Surface to be covered		RADIUS = 7 HEIGHT = 20	
		Option	n A	Option B		Option (		Option D
		220 cm <sup>2</sup>		440 cm²		880 cm <sup>2</sup>	1	1760 cm <sup>2</sup>

Q	. Folder	Topic	Ques	tion with Answ	er	Image		Correct A	nswer
N	name &			Options		(If Any)		(Option-A,	B,C,D)
	Question								-
	Code								
6	5_29		An ant a	it one corner of	an 8	Ant		В	
	11431		m x 6 m	rectangular flo	or	Ŧ   ***			
		VOLUMES	spots a	piece of sweet	at				
			the opp	osite corner.Wl	nat is	6 m			
			the MIN	IIMUM distance	the	0 111			
				to travel to rea					
			the swe			1			
			LITE SWE	CI:		· .			
						926	8		
				Ans	wer O	ptions			
		Optio	n A	Option B	0	ption C		Option D	
		7 m	•	10 m	14 m		28 m	1	

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (	If Any)	Correct Answer (Option- A,B,C,D)				
7	5_29 11436	AREAS & VOLUMES	on a we	checking his we ighing scale. Whing on the scal- n the Image?	hat is	WEIGH O	CHECK 1/1/7 55 bigh kg	D				
				Answer Options								
		Optio	n A	Option B	Optio	on C	Option	D				
		50.3 kg	•	50.7 kg	52 kg		53.5 kg					

Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	"		ct Answer on-A,B,C,D)		
8	11439	AREAS & VOLUMES	and cove exactly 2 different	g only along the ring a distance of 2 cm, how many routes can be to m corner P to co cuboid?	of , nken		10 cm		С
				Ans	wer C	ptions			
		Option	n A	Option B	0	ption C	Option D		
		10		8	6		1	•	

Q. N	Folder name & Question Code	Topic	•	n with Answer Options		Image (	If Any)		CorrectAnswer (Option-A,B,C,D)			
10	5_26	Surface	Which of th	ese could be the					В			
		areas &	approximat	e width of a regu	ılar							
	1631	Volumes	sized basket	tball court?								
				Ans	wer C	Options						
		Opt	tion A	Option B	0	ption C	0	ption D				
		5 m	15 m 35				50 m					

Q. N	Folder name & Question Code	Topic		n with Answer Options		Image (	If Any)		ectAnswer on-A,B,C,D)
12	5_26 1650	areas & Volumes	cylinder of t volume fror shown in th	o carve a right ci he maximum po n this wooden cu e image .What w me (in cm³) of th	ssible uboid vould		30 cm	В	
				Ans	wer (	Options			
		Op	tion A	Option B	C	ption C	Option D		
		16000 π		4500 $\pi$	4000	π	$3000~\pi$		

Q. N	Folder name & Question Code	Topic		n with Answer Options		lmage (		ectAnswer on-A,B,C,D)	
13	1652	areas & Volumes	from the 4 c side 20 cm a image.By ho	riangles are cut of corners of a squa as shown in the low much did the decrease (with re hal square)?	re of		3 cm 4 cm	В	
				Ans	wer C	ptions			
		Op			ption C	Option D			
		4 cm	8 cm 24 cm		24 cm		28 cm		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options		Image (			ectAnswer on-A,B,C,D)
15	_			4 sized sheet of		Length	NOT T	0 A	
	1658	Volumes	centre as sh breadth' ra piece is the breadth' rat sheet.What	once through the own, the 'length tio of the folded same as the 'len io of the original is the 'length to io of an A-4 sized	to up gth to	A-4 SHEE	Breadth T		
				Ans	wer C	ptions			
		Op	tion A	Option B	0	ption C	Option D		]
				03:02	02:01		(information insuffici	ent)	
		√2:1							

Q. N	Folder name & Question Code	Topic	-	n with Answer Options		Image (			ectAnswer on-A,B,C,D)
1	5_26	Surface	The cardboa	ard piece shown				Α	
		areas &	below can b	e folded up alon	g the				
	1660	Volumes	dotted lines	to form a triang	ular				
			pyramid.Wh	nich of the follow	ing is				
			a view of th	e pyramid forme	d?				
				Ans	wer Op	ptions			
		Opt	tion A	Option B	Op	otion C	Option D		
		A.		B.	/ ci		D.		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options	Ima	ge (If Any)		ectAnswer on-A,B,C,D)
4	_	Volumes	with water f dripping tap graphs best level in the o	er shown here is from a uniformly d. Which of these represents the v container with re t is being filled?	vater		A	
				Ans	wer Options			
		Opt	tion A	Option B	Option C	Option D		
		Water level		Mater level Time B.	Time C.	Time <b>D.</b>		

## Set-21 Maths-IX

	Q. N	Folder name & Question Code	Topic	Ques	tion with Answ Options	er	Image (	lf Any)	Correct Answer (Option- A,B,C,D)		
1		5_29 11419			h of these group s is the AVERAGE mber?				В		
					Ans	wer (	Options				
			Option	n A	Option B	C	Option C	0	ption D	]	
			10, 11, 12, 1	3	23, 25, 27, 29	20, 30	), 40, 50	1, 2, 3, 4, 5,	6		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options		Image (	• •	(Option-A,B,C,D)			
5	5_28 10091	S	calculated a runs scored by the numb player has b	atting Average is s the total numb (in all innings) d per of times the een out. What is ing average in te	er of ivided			D			
				Ans	wer O	ptions					
		Ор	tion A	Option B	0	Option C Option D					
		22.3		27	153		Data is insufficient				

**Subject**: Mathematics SET-22

Grade: 9th

Q. N	Folder name & Question Code	Т	opic	_	estion with A ions	Ans	swer	In	nage (If Any)	A1 (C	orrect nswer Option- B,C,D)
1	2_10 Mathematics 5895	St	tatistics	Class Schowas favo favo 40% as the their perce grou favo nam	rvey was conding of students of solin which each asked to name urite sport and of the group of studentage o	Ujjich se his e hos e hos e hos e hos e hos e hos e his e hi	wal High student s or her e that sport. se cricket t and of ndulkar as What s in the their I NOT			C	
			Option A						Option D 16%		
3	3_18 Mathematics 3411	STS	TATISTIC	A class is divided into 3 groups. The whole class is given a Mental Maths test every week. The groupwise performance of the class in the first five tests is shown in the graph below. Study it to answer the question. Which group improved continually over the five tests?,					Average scores of the groups in the first five mental Maths tests  III  III  III  1 2 3 4 5	С	
			Option Group		Option B Group II		otion C Group III	01	otion D None of them		
4	3_18 Mathematics 3412	Sta	tistics	The Mat grou class show	ass is divided in whole class is a had been whole class is a had been with the graph of the grap	give veek nand e te n be	en a Mental k. The ce of the ests is	15 · 10 · 5 · 5 ·	Average scores of the groups in the first five mental Maths tests  II  III  III		D

		Ir a						
			ne first time?					
		0 1		nswer Options		_		
		Option A	Option B	Option C	Option D			
		Test 2	Test 3	Test 4	Test 5			
5	3_18 Mathematics 3413	w N g cl ir Si	whole class is given at the class is given at the common at the graph belowed the common at the graph belowed the common at the graph belowed the common at	week. The rmance of the five tests is show ow. er the question. age score of the	Average scores of the groups in the first five mental Maths tests  I I III III III III III III III III I	D		
			A	nswer Options	L			
		Option A	Option B	Option C	Option D			
		10	12.5	13	We can't say			
6	3_19 Mathematics 2782	b a is				С		
				nswer Options	1			
		Option A	Option B	Option C	Option D	1		
		3	9	12	34.5			
7	3_19 Mathematics 2789	Statistics  In the first round of a football tournament, there are 4 teams in a group and every team must play one match against every other team in the group. The points table of the group after a few matches is shown below. How many points are given for a win in this round of the tournament?"  Study the paragraph and table given below to answer the question.  Answer Options  Option A Coption R Coption Company in the contract of the country of the contract of the country of the co						
		Option A	Option B	Option C	Option D			
		4	3	۷	1			

8	3_19 Mathematics 2790	Statistic	tou a gr play oth poil few Wh Ger Stu	roup and every y one match ager team in the natches is shown at was the resumany versus Persus Persu	e are 4 teams in team must rainst every group. The group after a own below. alt of the ortugal match?	Team	Points  7.5 3 3 1.5
		Onti	on A	Option B	Option C	Option D	-
			many	The match	Match not	Data given is not	
			on	was drawn	played yet	enough to say anything	
					. , ,	definitely	
9		Statistic	s In t	he first round o	of a football		
	3_19		tou	rnament, there	e are 4 teams in		Α
	Mathematics			oup and every			
	2791			y one match ag	•	Team Matches Played Won Drawn Lost	Points
	2,31		poin few The afte of t mat	er each team ha he others once tches of the firs ne played?	e group after a own below. I be completed as played each to How many st round are yet	France   3   2   1   -	7.5 3 3 1.5
				Ans	wer Options		]
		Opti	on A	Option B	Option C	Option D	
		1		2	3	6	
10	3_19 Mathematics 2797	Statistic	6 1 2 3 4 1 1 8	nere, about how Rupees would A got in exchange on May 25?	for Indian 1 US dollar ng the period and June 18, e graphs to estion. e graph shown w many Indian Ameena have e for 100 Euros	INR 46.3388 45.9692 45.5995 45.2299 44.4906  May 17 May 25 Jun 2  Indian Rupees to 1 US DOLL May 17 May 25 Jun 2  Indian Rupees to 1 EURO  So. 56.74 54.835 54.1096 53.3857 52.6619  May 17 May 25 Jun 2	Jun 10 Jun 18
				Ans	wer Options		

			Option A	Option B	Option C	Option D	
			27.4	54.8	5483	5556	
11	3_19 Mathematics 2798	S	e r a k a a t v	The graphs beloexchange rates rupees (INR) to and 1 Euro during the period show was the Indian Rate of the period show and the period show was the Indian Rate of the period show and the Indian Rate of the period show and the Indian Rate of the period show and the Indian Rate of the Indian Rate of the Improvement of the Ans	for Indian 1 US dollar ng the period and June 18, e graphs to estion. During n, on which day upee nst the US /e say that the GER when its	INR 46.3388 45.9692 45.2299 44.8002 44.4906  Indian Rupees to 1 US DOLL May 17 May 25 Jun 2  Indian Rupees to 1 EURO  Indian Rupees to 1 EURO  So.2812 55.574 54.8335 54.1096 53.3857 52.6619  May 17 May 25 Jun 2	C  Jun 10 Jun 18  Jun 10 Jun 18
			Option A	Option B	Option C	Option D	
			May 15	May 25	Jun 08	June 18	

Q. N	Folder name & Question Code	Topic	Question with Options	ı Answer	Image (If Any)	Correct Answer (Option- A,B,C,D)
12	3_19 Mathematics 2799	Statistics	The graphs below exchange rates for rupees (INR) to 1 1 Euro during the	or Indian LUS dollar and e period	INR 46.3388 45.9992 45.59995	A
			between May 9 2004. Study the answer the quest During which of periods did the Ethe US dollar fellowers.	graphs to tion. the following Euro gain while	45.2299 44.8602 44.4906 May 17 May 25 Jun 2 Jun 12 Jun 12 Jun 12 Jun 13 Jun 14 Jun 15 Jun 15 Jun 16 Jun 1	n 10 Jun 18
			Rupee Ans	swer Options	52.6619 May 17 May 25 Jun 2 Ju	n 10 Jun 18
		Option	A Option B	Option C	Option D	

			June 2 to	)	June 8 to	May 25 to	May 17 to May 20	
			June 4		June 10	May 27		
13	2_11 Mathematics 4477	S		of raco be	me children of Vikas School pce. The time themplete is shown as a child from	ey take to In in the graph er of the race	The numbers show how many children finished in that much time.  1	С
					Ans	wer Options		
			Option A	1	Option B	Option C	Option D	
			7		8	9	10	
14	2_11 Mathematics 4478	S		of raco be ma	ome children of Vikas School posses. The time the mplete is shown aximum number finish the race	ey take to on in the graph taken by the er of children	The numbers show how many children finished in that much time.  1	С
					Ans	wer Options		
			Option A	1	Option B	Option C	Option D	
			46 second	ls	47 seconds	48 seconds	49 seconds	
15	2_11 Mathematics 4479	S		Some children of classes 6 to of Vikas School participate in race. The time they take to complete is shown in the graph below. The average time taby the class 6 children was,			The numbers show how many children finished in that much time.  The numbers show how many children finished in that much time.  The numbers show how many children finished in that much time.  The numbers show how many children finished in that much time.  The numbers show how many children finished in that much time.	С
					Ans	wer Options		
			Option A	A Option B Option C			Option D	
			15.83		48.5 seconds	48.67	48 seconds	
			seconds			seconds		

	Q. N	Folder name &	Topic	Question with Answer Options			Image	· · · · · · · · · · · · · · · · · · ·		ectAnswer on-A,B,C,D)
		Question Code								
1		5_27 8441		typing test, speed of 48 the first 3 m be her typin two minute	g a 5-minute lon Neela typed at a words per minu ninutes. What sh ng speed for the s if she wants to words per minut est?	te for ould next			С	
					Ans	swer (	Options	_		
			Op	tion A	Option B	C	Option C Option D			
			32 words	per minute		53 wo minut	ords per e	56 words per minute		

Q. N	Folder name & Question Code	Topic	-	n with Answer Options		Image (	lf Any)			ectAnswer on-A,B,C,D)
	5_26 1632		$\frac{\frac{2+4}{2}}{2} = 3, \frac{2}{2+1}$ According to	$\frac{4+6+8}{4} = 5$ to this, what wou of the first twen					A	
				Answer Options						
		Op <sup>.</sup>	tion A	Option B	(	Option C	(	Option D		
		21		20	19		11			

6	2_10 Mathematics 5900	Probability	Nafisa has a box of bangles. $^{1}/_{2}$ of all the bangles in the box red, $^{1}/_{3}$ are green and $^{1}/_{6}$ are blue. It takes out a bangle box without looking which colour is it LIKELY to be?	the care f Nafisa e from the ng, of	ons	А
		Option A	Option B	Option C	Option D	
		Red	Green	Blue	Data given is not enough	
7	3_19 Mathematics 2802	Probability	If two fair coins are simultaneously, wh chances of both cor 'Heads'?	at are the		В
	2802			Answer Opti	ons	
		Option A	Option B	Option C	Option D	
		10%	25%	50%	75%	
	2_11	Probability	Here is a modified board. A player so points by throwin	ores	25 50	
8	Mathematics 4482		it. Points are earn according to the a dart board where	rea of the	25 50	
	7.02		lands.  If the dart is throw at this board, which following would be MOST LIKELY total (Assume that in both throws the dart land)	vn twice ch of the e the I score? oth	75	С
			the board)	_		
		Onting		Answer Opti		
		Option A	Option B	Option C	Option D	
		50	75	100	150	

Q. N	Folder name & Question Code	Topic		n with Answer Options		Image (	lf Any)		ectAnswer on-A,B,C,D)
	I		game which starting with matchsticks turns to take matchsticks pass a turn. continues ti matchsticks who takes the winner. after a serie matchsticks and it is Milibe the no. o	astha are playing goes like this: a large pile of , each player take away 1, 2 or 3 from it. No play The process II there are no left and the play he last matchstic In a particular gos of moves, 5 remain in the pile's turn. What shif matchsticks shit o MAKE SURE the game?	es er can /er ck(s) is ame, le ould e			A	
			Answer Options						
		Opt	otion A Option B			Option C Option D			
		1		2	3		It's not possible for he win this game.	er to	

Q. N	Folder name & Question Code	Topic	Question with Answer Options			Image (If Any)			ectAnswer on-A,B,C,D)
10	5_28 10093	TY	_	hrow of die , whi ig has more than ccurring?				А	
			•	Ans	wer (	Options			
		Opt	tion A	Option B	C	ption C	Option D		
		getting a				g a score of	getting a score below minus		
		negative	score	getting a	0		3		
				negative score					

Q. N	Folder name & Question Code	Topic	•	n with Answer Options		Image (	If Any)		ectAnswer on-A,B,C,D)
13	5_27 8453	,	colours nee following fig regions with	smallest numbe ded to colour the gure so that NO <sup>1</sup> n more than a po ve the same colo	e TWO oint			А	
				Ans	Options				
		Opt	tion A Option B			Option C	Option D		
		2	3 4				5		

Q. N	Folder name & Question Code	Topic	Question with Answer Image (If Any) Options				CorrectAnswer (Option-A,B,C,D)		
14	5_27 8454		possible out chance. Two game with the dice are roll and the nur added up. It then player the sum is co	A fair game is one in which each cossible outcome has an equal chance. Two players are playing a game with two dice. Both the dice are rolled simultaneously and the numbers that turn up are added up. If this sum is even, then player 1 gets a point, and if the sum is odd, then player 2 gets a point. Is this a fair game?			4 = 6)	A	
				Ans	wer (	Options			
		Opt	tion A	Option B	C	ption C	Option D		
		Yes, the g	ame is fair.			rable for	Can't say.		

Q. N	Folder name & Question	Topic	Question with Answer Options		Image (If Any)		CorrectAnswer (Option-A,B,C,D)			
	Code									
	5_27 8436		Of the 15 charts put up in a classroom, 6 are on Science and 8 are made on white chart paper. If 4 of the Science charts are made on coloured chart paper, how many of the charts made on coloured paper are NOT on Science?						С	
			Answer Options							
		Opt	tion A	Option B	C	Option C	(	Option D		
		1		2	3		4			