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		,					
				Ans	wer (Options			
		Option	n A	Option B	C	ption C		Option D	
		18		9	7		6		

Q.	Folder	Topic	Quest	ion with Answ	er	Image		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	he				
			total va	alue of the 2-ru	pee				
			coins. If	the bag has x o	oins				
			in all,	what is their to	tal				
			v	alue (in Rs.)?					
				Answer Options					
		Option	n A	Option B	ption C	O _l	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	
			I	Ans	wer C	Options	L		
		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	
				Ansv	ver (Options		
		Option	ı A	Option B	C	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		Option B	C	ption C	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	ys, his mother promised						
			him Rs.	m Rs. 10 per day to clean						
			up the	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	· · · · · · · · · · · · · · · · · · ·			Option C Option D		tion D		
		Rs. (100)	(² - 8)	Rs. [10+x - 8)] ²	Rs.	10(x - 8) ²	Rs. 1	00(x - 8) ²		

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 shother the image , is ted?(A← 5 means of A is shother the two flowers)	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 <	→ = 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					
			fixes a b	udget of Rs. 400					
			month fo	or her mobile p					
			bill. At m	II. At most how many					
			minutes	can she use the)				
			phone (I	ocal) each mon	th				
			while sta	aying within hei					
			budget						
				Answer 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 ₁ +				
	8444	Variables	$1/R_2$. Ho	w could she re	write				
			this f	ormula to get tl	ne				
			correct	value of R ₂ who	en R				
			an	d R₁ are given?					
				Ans	wer C	Options			
		Option	n A	Option B	С	Option C Option D		n D	
		$R_2 = R$	- R ₁	$R_2 = 1/(R-R_1)$	R ₂ =	$(R-R_1-RR_1)$	R_1) $R_2 = RR_1/(R_1-R)$		

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 ?		

	Answer 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

	Answer Options			
Option A	Option B	Option C	Option D	
1.5 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 &	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
	Question Code			· //	(3)22 //3//
15	5_28 Mathemati cs	Linear Equations In Two Variables	The light signals at a traffic crossing (in a particular direction) were timed in such a way that the traffic had the 'STOP' signal for s seconds and the 'GO' signal		С
			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			
Answer Options					
Option A	Option B	Option C	Option D		
2s + g	2(s + g)	3s + 2g	3(s + g)		