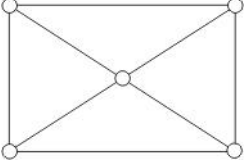
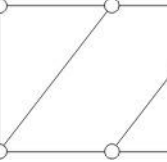
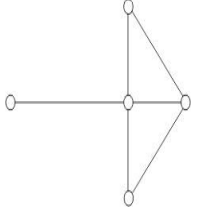
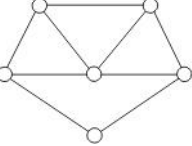


Q N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
1	2_11 Mathematics 4481	ALGEBRA	If $x < -2$, the LEAST possible integer value of $2 - x$ is		A
Answer Options					
		Option A	Option B	Option C	Option D
		5	3	-1	Can't say

Q N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
2	3_19 Mathematics 2786	ALGEBRA	Which of the following correctly describes the operation for two numbers x and y ?		D
Answer Options					
		Option A	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	ALGEBRA	Nancy thinks of an operation $x \star y = 2(x + y)$ and gives the following <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> $3 \star 2 = 10$ $6 \star 1 = 14$ $5 \star 3 = 30$ </div> clues Which of her clues is/are INCORRECT?		D
Answer Options					
		Option A	Option B	Option C	Option D
		All three	Only the first one	Only the second one	Only the third one

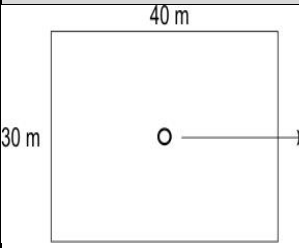
Q. N o.	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)	
4	2_10 Mathematics 5893	Algebra	If $p - q = -9$, $p - r = 0.5$ and $q - s = -7$, the greatest of the four numbers is"		D	
		Answer Options				
		Option A	Option B	Option C	Option D	
		p	q	r	s	

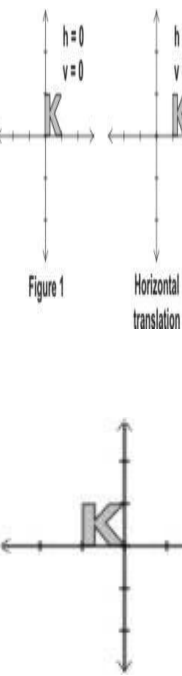
Q N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)	
5	2_11 MATHEMATI CS 5316	Algebra	A regular pentagon has side lengths as shown in the figure The value of 't'		B	
Answer Options						
			Option A	Option B	Option C	Option D
			9	4	3	2

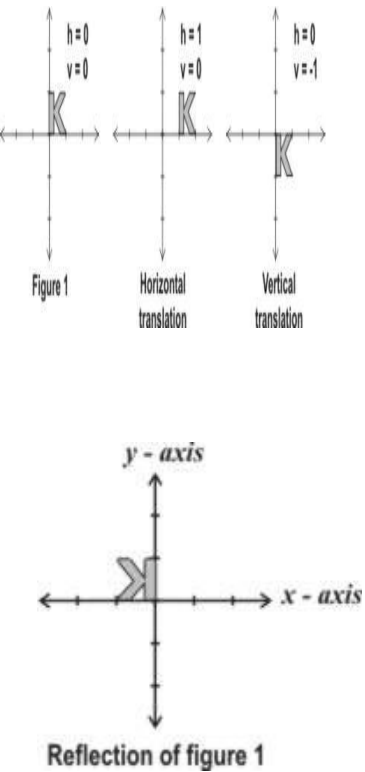
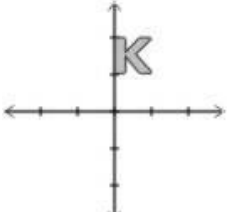
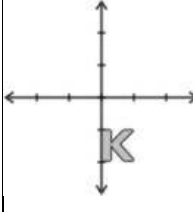
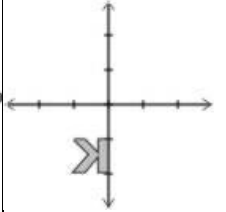
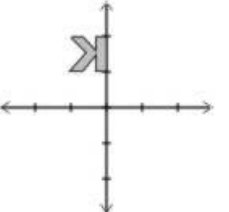
Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
6	5_27 Mathematics 8460	Coordinate Geometry	Which of the networks below can be drawn without lifting the pencil or retracing an existing line?		C		
Answer Options							
Option A		Option B		Option C		Option D	
							

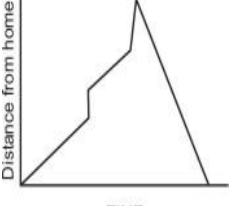
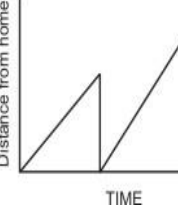
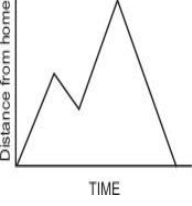
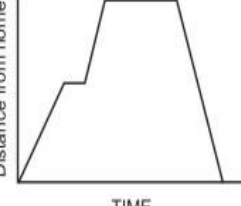
Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
7	5_27 Mathematics 8461	Coordinate Geometry	7 stalls in an exhibition have to be connected with paths in a way that will allow a visitor to start at stall 1 finish at stall 7, visiting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

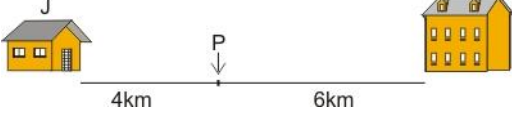
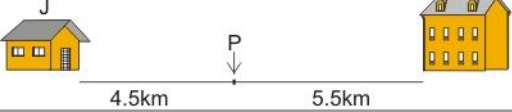
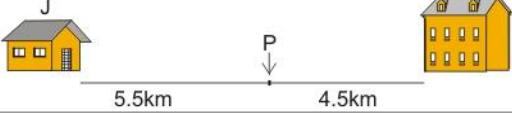
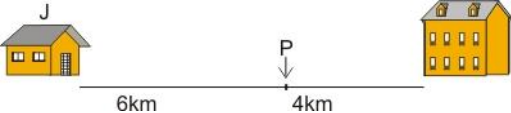
Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
8	5_27 Mathematics 8433	Coordinate Geometry	A part of the real number line is shown. Which of the following points best represents the location of 5.5		C		
Answer Options							
Option A		Option B		Option C		Option D	
A		B		C		D	

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
9	5_27 Mathematics 8438	Coordinate Geometry	A lamp post has to be fixed right at the centre of the rectangular lawn shown in the figure. At what distance from a corner should the lamp post be fixed?		A
Answer Options					
Option A		Option B		Option C	
25m		35m		50m	
Option D		Option C		Option D	
70m		50m		70m	

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
10	5_28 Mathematics 10107	Coordinate Geometry	<p>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 $h = 0, v = 0$. What are the h and v values for the following figure, taking Figure 1 as the reference?</p>		B		
Answer Options							
Option A		Option B		Option C		Option D	
h = -1, v = -1		h = -1, v = 0		h = 0, v = -1		h = 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 Mathematics 10108	Coordinate Geometry	<p>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?</p>		<p style="text-align: center;">D</p> 		
Answer Options							
Option A		Option B		Option C		Option D	
							

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)		
12	5_29 Mathematics 11781	Coordinate Geometry	Mrs. Singh and her son start from home in their car. She is on her way to the supermarket. On the way, she stops to drop her son at his drawing class. She drives on to the supermarket, spends some time shopping there and then drives back home. Which of the graphs below correctly describes Mrs. Singh's journey?		D		
Answer Options							
Option A		Option B		Option C		Option D	
							

Q N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option- A,B,C,D)
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
Answer Options					
3_19 Mathematics 2794					
 OPTION A					
 OPTION B					
 OPTION C					
 OPTION D					

Q. N	Folder name & Question Code	Topic	Question with Answer Options	Image (If Any)	Correct Answer (Option-A,B,C,D)
14	5_26 Mathematics 1628	Linear Equations In Two Variables	A cake is cut into 3 pieces whose weights are in the ratio 2:1:4.If the third piece weighs 360 g more than the second, how much did the whole cake weigh?		C
Answer Options					
		Option 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)
15	5_26 Mathematics 1642	Linear Equations In Two Variables	If $1/x = 2/y-2$ then y is equal to		D
Answer Options					
		Option A	Option B	Option C	Option D
		$2/(x + 2)$	$2/2(x + 2)$	$(x + 2)/2$	$2x + 2$