Question Paper

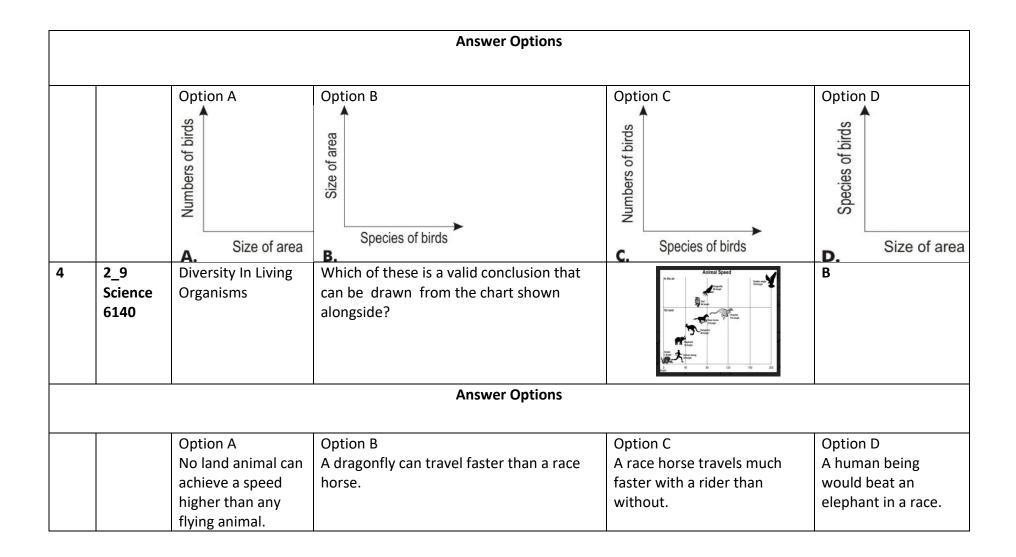
Subject: Science

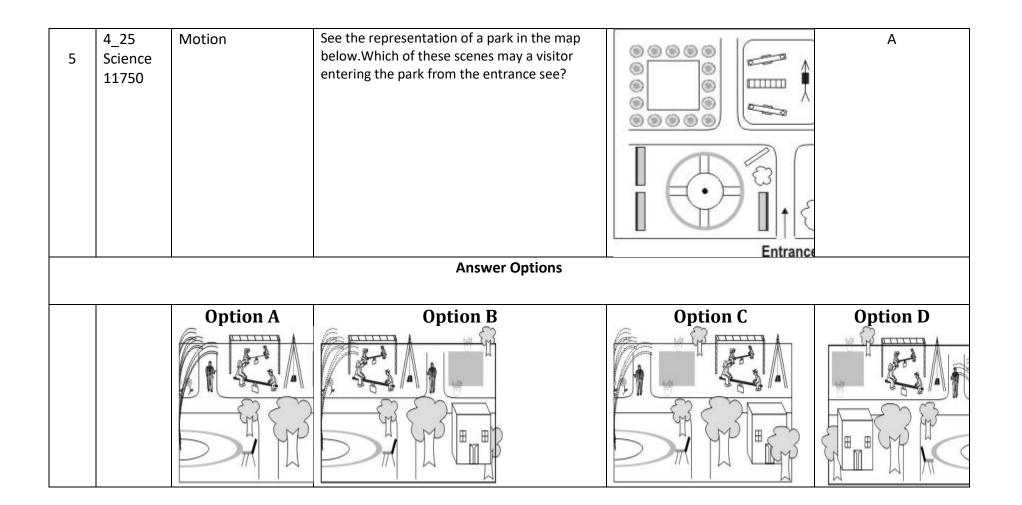
Grade: 9th

Set-5

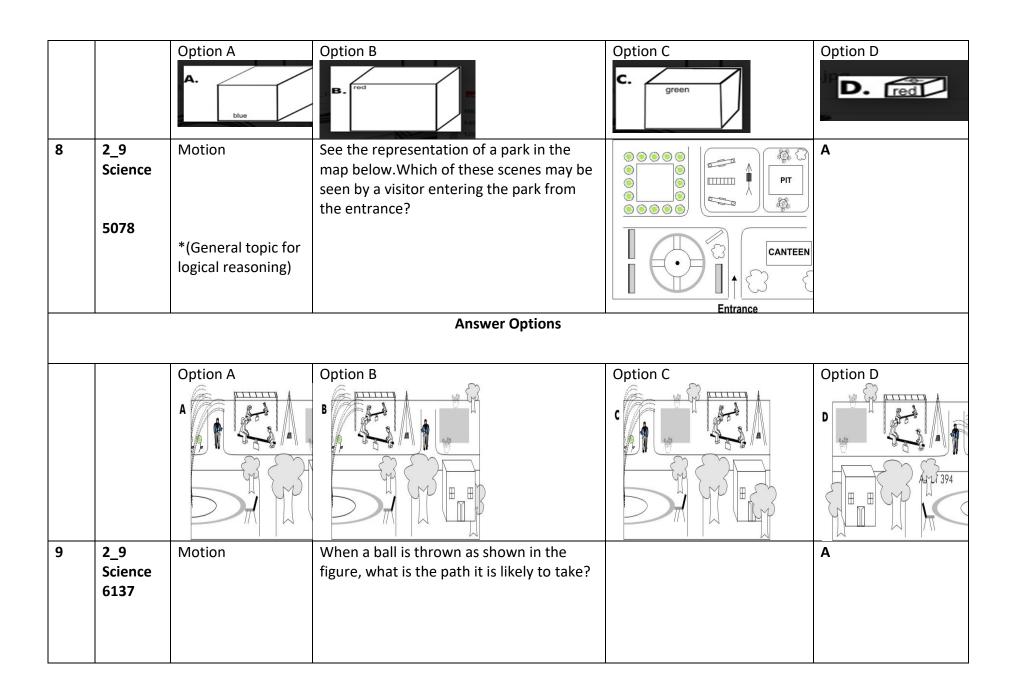
Q.N	Folder name & Questio n Code	Topic	Question with Answer Option	Image (If Any)	Correct Answer (Option-A,B,C,D)		
1	3_15 Science 3659	Diversity In Living Organisms	Which of the given species has a dark-coloured body with hair on it, and usually less than 5 offspring on an average?	Some characteristics of a few species are given below. Study the table and answer the question. The content of the content	В		
	Answer Options						
		Option A Mouse	Option B Porcupine	Option C Barn swallow	Option D Chicken		

2	3_15 Science 3660	Diversity In Living Organisms	According to this chart, there appears to be a relationship between the average number of offspring per species and the of the species'.	Some characteristics of a few species are given below. Study the table and answer the question.			С
						Specie	
				Characteristic	Mouse	Porcupine 1	
				Average Number of Offspring	10	2	
				Average Adult Mass(kg)	0.08	3.00	
				Body Covering	Hair	Plates and hair	
				Average Number of Predatory Species	15	3	
				Body Colouring	Dark	Dark	
			Answer Options				
		Option A	Option B	Option C			Option D
		average adult mass	body covering	average number	of pre	edators	body colouring
3	3_15 Science 3656	Diversity In Living Organisms	Some students counted the birds in an area. They counted the number of species present and the number of birds in each species. Which of these would be best to use to report the results?				C





6	4_24 Science 10386	Motion	Which of these maps is better to use if we want to get a rough estimate of how far Alaska (a state in north-western USA) is, from Japan?	Alaska	В
	1		Answer Options		
		Option A	Option B	Option C	Option D
		Map P is better.	Map Q is better.	Maps P and Q are equally good.	Neither map P nor Q may be used.
7	2_9 Science 6142	*(General topic for logical reasoning)	Blocks arranged like these are used to train robots to perform everyday tasks, and test their recognition skills. In the arrangement alongside, if a robot is instructed to 'bring the cuboid having the same colour as the pyramid inside the open box', which block should it bring?	Pyramid Subsection Cuboid	С
			Answer Options		



3_15 Science 3661	Motion	When a car turns, its front wheels do not turn by the same amount. In order that the car turn around a common point, the wheel on the side to which the car is turning, turns more than the other. Which of these correctly shows the alignment of a car's wheels when it is turning to its		A
		Answer Options		
	Option A	Option B	Option C	Option D
3_15 Science 3664	Motion	A hunter sees a fish which is swimming in clear water as shown in the figure. To hit the fish, he should take aim adjusting for the fish's motion and	Representation of where the hunter sees the fish	В
	3_15 Science	Option A 3_15 Science Motion	turn by the same amount. In order that the car turn around a common point, the wheel on the side to which the car is turning, turns more than the other. Which of these correctly shows the alignment of a car's wheels when it is turning to its right? Answer Options Option A Option B Option B A hunter sees a fish which is swimming in clear water as shown in the figure. To hit the fish, he should take aim adjusting for the fish's motion and	turn by the same amount. In order that the car turn around a common point, the wheel on the side to which the car is turning, turns more than the other. Which of these correctly shows the alignment of a car's wheels when it is turning to its right? Answer Options Option A Option B Option C A hunter sees a fish which is swimming in clear water as shown in the figure. To hit the fish, he should take aim adjusting for the fish's motion and

		Option A exactly at the depth the fish appears to him to be.	Option B a little below where the fish appears to him to be.	Option C a little above where the fish appears to him to be.	Option D at the fish's eye, exactly where it appears to be.
12	3_16 Science 2535	MOTION	The shortest airline route from Moscow in Russia to Montreal in Canada is likely to be which of these shown on the world map?	Montrol A S Moscow	D
			Answer Options		
		Option A A	Option B B	Option C C	Option D D
13	3_16 Science 2539	MOTION	A truck is carrying a water tank which has two taps on either side as shown in the figure. The taps are opened as the truck starts moving in the circular path at a constant speed. As the truck just completes the circle, the water in the tank runs out completely. What will be the shape of the water trail on the ground if seen from the top?	Water Tank Tap 1 Tap 2 Tap view	В

	Answer Options						
14	2_9	Option A Road Water-trails MOTION	Option B B The unit of distance is metres. The unit of time is seconds. Hence the speed of a person who	Option C	Option D B		
	Science 6133		walks 100 metres in 50 seconds is 100m divided by 50 seconds which is 2 m/s or 2 metres per second. To find out the speed of gas moving through a large gas pipeline, an oil company measures that 10 kg of gas flows every 10 seconds. The mass flow rate is obtained by dividing the distance covered by the time taken to cover it. Then, the mass flow rate in the pipeline is expressed in the unit				
	1		Answer Options		,		
		Option A m/s	Option B kg/s	Option C Kg/m	Option D s/kg		
15	2_9 Science 5083	MOTION	The rate of growth of hair on the human head has been estimated as about 0.44 mm per day. Assuming that this rate is uniform, about what LENGTH of hair (considering just 1 strand) would a normal male adult cut in 20 years?		В		

		Answer Options		
 0	±: A	Onting D	Ontion C	Ontine D
		Option B	Option C About 30 m.	Option D
Abc	out 30 cm.	About 3 m.	About 30 m.	About 300 m.