S.N	Folder Number & Question Code	Торіс	Question With Answe	ers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)
1.	1_3 SCIENCE 6646	HEAT (CHAPTER -4)	A Maximum-Minimum thermometer record the highest and lowest temp of time. A small metallic piece in ea temperature. What are the MAXIMUM, MINIMU TEMPERATURES shown in this therm	eratures during a period ch stem indicates the JM AND CURRENT	Alcohol Min = 15°C Current = 30°C 30 40 40 40 40 40 40 40 4	B
			A	nswer Options		
		Option A	Option B	Option C	Option D	
		55°C, 35°C, 4	45°C 45°C, 25°C, 35°C	55°C, 25°C, 35°	C 45°C, 25°C, 30°C	

2.	1_3 SCIENCE 7357	HEAT	Mercury and Alcohol are two common liquids used in thermometers. The boiling point of MERCURY is 357 °C, while its freezing point is -39 °C. For ALCOHOL, the boiling point is 78 °C and the freezing point is -80°C. It is required in a laboratory to make measurements which are in the region of -60°C. Which type of thermometer would be more suitable?								
		Answer Opt Option A	tions	Option B		Option D					
			thermometer ezing point of gher than -	A MERCURY thermometer since the boiling point of mercury is as high as 357°C.	An ALCOHOL therr since the boiling p alcohol is lower at	oint of	An ALCOHOL thermome freezing point of alcoho than -60 ⁰ C				

3.	1_3 SCIENCE 7356	HEAT		ese readings CANNOT h the thermometer			94 95	96	97	98	99	100	101	102	103	104	105	106 °Farenheit	A
		Answer Options																	
		Option	Α	Option B		Optio	on C						Ор	tion	D				
		92°F		98.4 ⁰ F		100.1	1 ⁰ F						10	6 ⁰ F					

4.	1_3 SCIENCE 7355	HEAT	taken and painted w quantity of water is are left in the sun, a The water temperat five minutes as show	d on this experiment: Tw white and black respective poured into each one of t nd the temperature is not ure in the vessel painted wh in the table below. Wh e 30 minutes after it was ture)	ly. Then the same hem. Both the vessels ed regularly. white is recorded every at is the temperature in	Water Temperatu After 5 minutes After 10 minutes After 15 minutes After 20 minutes	re in WHITE Vessel 17°C 20°C 23°C 25°C	C
				A	nswer Options			
	Option		Α	Option B	Option C		Option D	
		20 °C		25 °C	29 ºC		35 °C	

5.	1_3 SCIENCE 7354	HEAT	white and black respectiv them. Both the vessels ar	vely. Then the same quantity re left in the sun, and the ten	cal vessels are taken and painted of water is poured into each one of nperature is noted regularly.		В
		Ontic		is likely to get hotter and w Answer Option B	Options Option C	Option D	
		Option A The white vessel as white reflects more heat than black.		The black vessel as black absorbs more heat than white	The white vessel as white absorbs more heat than black.	It will be same in both as the material is the sa	

6. 1_3 SCIENO 7349	SCIENCE	HEAT The specific heat capacity of a substance is the heat required to raise the temperature of 1kg of the substance by 1°C .The specific heat capacity of water is 4187 joules per degree celsius per kilogram. A bucket contains 4kg of water. What is the specific heat capacity of water in the bucket?											
		Answer Options											
		Option A	Option B		Option C		Option D						
		4187 J/ºC/kg	16748 J/ ⁰ C/kg	16748 J/ ⁰ C/kg			8374 J/ ⁰ C/kg						
7.	1_3 SCIENCE	HEAT	Vessel P contains 150 grams of candle wax, while vessel Q		Temperature at which wax STARTS melting		nperature at which wax ust melts COMPLETELY	С					
	70.40		contains 3 kilograms of the	Α.	Same for both	07 1.5	Lower for P						
	7343		same material. Both are	В.	Lower for P		Lower for P						
			heated and start melting.	C.	Same for both		Same for both						
			Which of the following will be true about the		D. Lower for P		Same for both						
			temperature at which the wax just STARTS melting, and the temperature at which the wax melts COMPLETELY										
			Answer Opt	ions									
		Option A	Option B	Optio	n C	Option	ı D						
		A	В	С		D							
				<u> </u>									

8.	1_3 SCIENCE 7329	HEAT	3 ice cubes of similar shape and size were kept on three different surfaces - glass, copper and concrete. The first to completely melt was the cube on the copper surface, while the one on the glass surface melted last. Arrange Copper, Glass and Concrete from WORST heat conductor to BEST.							
				Answ	ver Options					
		Option A		Option B	Option C		Option D			
		copper, glass, cond	crete	glass, concrete, copper	copper, concre	ete, glass	concrete, copper, glass			
9.	3_17 Science 1505	Heat	Greenhou heat from	ure shown here is called a gre uses have glass panels that let escaping. In which regions wo be be used to grow plants?	n light but keep	Light	Heat	A		
				Ans	wer Options					
		Option A		Option B	O	ption C	Option D			
		Regions that are ve	ery cold	Regions that are very ho	t Regions tha	t are very humi	id Regions that are ve	ry dry		

10.	3_17 Science	HeatIn a thermal power station coal is used to produce energy.Which of these shows the correct sequence of transformation of energy in a thermal power station?										
	1497	Answer Options										
		Mechanical -> Heat -> C		Option BOption CChemical -> Electrical -> HeatHeat -> Chemical-> Mechanical-> Electrical			Option D					
								> Heat -> Mechanical ->				
11	3_17 Science 1520	Heat	if colour ha takes four ic of water be papers and shown in t water in	ducts the following activity to as any effect on heat absorptio dentical cans with the same an ut covered with different colou I places them near a heat source the figure. The temperature of the cans is measured at regula the MISTAKE in Kamesh's experi- relates to:	effect on heat absorption.He al cans with the same amount ered with different coloured s them near a heat source as ure. The temperature of the ans is measured at regular FAKE in Kamesh's experiment		Cans with the some amount of water and covered with coloured paper Heat Sc		B			
				Ans	wer Options							
		Option	A	Option B		Option	С	Option D				
		the amount of war same in eac	-	the positioning of the cans with respect to the heat source		the use of paper of colours for covering		taking temperature readings at the same time in all the cans	e			

12.	3_17 Science	Heat		of these will definitely have a fi poiling point of 100degree C?	reezing point of 0 degree C	C
	1498			Answe	er Options	
		Option	A	Option B	Option C	Option D
		Rain wat	er	River Water	Distilled water	All the aboves
13.	3_15 Science	Heat		nperature inside a refrigerator (no rtment) is likely to be around		C
	3547			Answ	rer Options	
		Option A		Option B	Option C	Option D
		-4 °Celsius	1	0° Fahrenheit	5°Celsius	100° Fahrenheit
14.	3_15 Science 3552	Heat	contair	agram below shows a block of woo her. Which of these is the best way undamaged?	to remove the block of	$ \text{Block of wood} D$ $\rightarrow \text{Metal Container}$
				Answer	Options	
		Option A		Option B	Option C	Option D
		Burn the woo	-l	Drill holes in the metal	Submerge the container in	Heat the metal container.

15.	3_15 Science	Heat	In which of these following cases is	energy released?		В					
	3576										
			Answer Options								
		Option A	Option B	Option C	Option D						
		when water is boiled	when wood is burned	when an object is dropped	when a plant makes foo	d					