MULTIPLE CHOICE QUESTIONS

1	3	6	4	11	1	16	3	21	2	26	2
2	4	7	2	12	3	17	4	22	3	27	4
3	4	8	2	13	1	18	3	23	2	28	1
4	4	9	2	14	1 -	19	3	24	1		
5	2	10	4	15	1 -	20	3	25	1		
						_					ノし

OPEN-ENDED QUESTIONS

Q29	K: Flowering plants
	L: Fungi
Q30a	Magnetic force of attraction / Pull force
b	Magnetic
Q31a	Nymph
Ь	Grasshopper
	*Accept insects with a 3-stage life cycle
Q32a	Solid
b	Liquid
Q33a	Faster; better
Ь	
	Variables Kept Constant
	Size of containers $\sqrt{}$
	Material of containers
	Volume of water in containers $\sqrt{}$
	Final temperature of water in containers
Q34a	Change 1: She should fill the containers with the same amount of
	water.
	Change 2: She should ensure that the strips of material are of the
	same thickness.
	*Students need to take note that they are not allowed to mention the
	length and width of the materials.
bi	Object D does not break easily and is not flexible.
_ ii	Glass
Q35a	F: Stomach — — — — — — — — — — — — — — — — — — —
<u> </u>	H: Large intestine
b	F and G



	C	G: Digestion is completed here and the digested food is						
		absorbed through the walls of the small intestine into the						
		bloodstream.						
		H: Excess water and mineral salts are absorbed from the						
		undigested food into the bloodstream.						
		PIOT DEDDODING						
1)(*Some students have the misconception that undigested food (waste						
		materials) are absorbed into the bloodstream at the large intestine, which is wrong.						
	Q36a	ū						
		ltems Tick (√)						
		Iron rod √						
		Aluminium rod						
\		Copper wire						
\/\/	-	Eraser						
VV								
	b							
	C	,						
ŀ	d	electromagnet.						
	u	He increased the number of coils of wire <u>around the iron rod</u> . OR						
		He increased the number of batteries in the circuit .						
	\mathbf{P}	FRIVITY SIGNATION ()F						
		*It is important for students to include the above words that have						
		been bolded and underlined as some schools do not award marks if						
		they are missing.						
	Q 37a	Animal B has a 3-stage life cycle while animal D has a 4-stage life						
		cycle.						
-	<u>b</u>	Animal D 1) Pake helps on the metal cover						
	ď	 Poke holes on the metal cover. Place some fresh leaves (food) and water in the jar. 						
	Q38a	The balance will tilt downwards at Jar X.						
		The balance in the action as at early in						
		*Air is matter and has mass. By pumping in more air into X, the mass						
		of X increases, causing X to be heavier than Y.						
	b	300cm ³						
		*Air is a gas, which does not have a definite volume and can be						
Ц	. L_ /	compressed. Thus, in order to calculate the volume of the air, take the						
		total capacity of the container minus the volume of any object in the container that has a definite volume.						
		Container that has a definite volume.						



i		
	С	1) Air has mass.
		2) Air does not have a definite volume and can be compressed.
	Q39a	Shape T
		*The triangular shadow is smaller. Thus, it should be the one that is
		further away from the torch/nearer to the screen.
1)(b	Move T closer to the torch.
		OR O I I LE I I O D O O
		Move T further away from the screen.
	С	34
	d	As the distance between the torch and the screen decreases, the
		height of the shadow increases.
	Q40ai	A shadow is formed when light from the light source, which travels
Λ.	—	in a straight line, is blocked by the object, which is opaque or
\		translucent.
VV	aii	
		Shawn should Tick (√)
		Move the torch nearer to his hand $\sqrt{}$
		Move his hand nearer to the screen
		Move the torch further away from his hand
		Move his hand further away from the screen $\sqrt{}$
	Ь	The ball and the bear
	Q41a	It would be lower than 90°C. The water would lose heat to the
		cooler ice cube and decrease in temperature.
	b	Choose: Material M.
		Use Data: The time taken for the ice to melt completely is the
		longest.
		Explain Data: This shows that material M is the poorest conductor of
		heat and the ice cream will gain heat the slowest from the warmer
		surrounding air to melt the slowest.
		*It is important for students to include superlative terms in their
		answer to minimize the loss of marks.

LEARNING CENTRE

