SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
LEVEL : PRIMARY 6
SUBJECT : SCIENCE
TERM : 2021 SA1

SECTION A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	**3**	**4**	**2**	**1**	**1**	**4**	**1**	**1**	**3**
Q 11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
3	**4**	**1**	**1**	**4**	**4**	**3**	**4**	**2**	**3**
Q 21	Q22	Q23	Q24	Q25	Q26	Q27	Q28		
2	**4**	**3**	**2**	**2**	**2**	**4**	**1**		

SECTION B

Q29)	**a)Fruit A : Animal Fruit B : Wind** **b)To ensure that the change in distance travelled was only due to the type of fruit /type of dispersal.**
Q30)	**a)As the food-carrying tubes were removed, food made in the leaves could not be transported to the part of plant below the cut stem. Hence, food was transported to the fruits and stored there.** **b)Food cannot be transported to the roots.**
Q31)	**a)System A : Respiratory system System B : Digestive system** **b)During exercise, the volume of blood passing through the small intestine decreases so lesser digested food passes through small intestine. Hower, when we exercise, more energy is being used although lesser blood can be transported so the absorption of digested food in the small intestine decreases.**

Q32)	**a)As distance from lamp increases, amount of light received decreases. Hence rate of photosynthesis decreases.** **b)To ensure that the only light source is the lamp.** **c)Z. When the distance from the lamp is the same, the time taken for chloroplast in Z to turn green was faster than A so it means it contains more chloroplast containing chlorophyll to trap sunlight faster to make food.**
Q33)	**a)Air is a poor conductor of heat.** **b)More air will be trapped so Bird X loses heat to the surroundings slower.** **c)There is availability of food in a warmer place.** **d)To blend in with the brown twigs so that the eggs will not be easily spotted by predators. This will increase the changes of the eggs hatching and growing into adults.**
Q34)	**a)structural** **behavioral** **b)Organism Y attract animals for X to feed on.** **Organism Y provides X with oxygen during photosynthesis.** **c)Organism X provides carbon dioxide for Y to make food.** **Organism X provides shelter for Y from other animals that feed on Y.**
Q35)	a)As the number of strokes applied to the iron nail increases, the number of paper clips attracted increases. b)No. Copper is not a magnetic material so it cannot be magnetised. c)No. Object w could be a magnetic object. Only a test of repulsion can confirm that W is a magnet.
Q36)	**a)Screen 1**  **screen 2** 

	b)Light travels in a straight line so light was blocked by the wooden cylinder. **c)More the torch further away from the screen wooden cylinder.**
Q37)	**a)Lower. Cup Y is a material that is a poorer conductor of heat so water will gain heat slower from the surroundings.** **b)Cup Y. Warm drinks lose heat slower to the surroundings as the material was a poorer conductor of heat.**
Q38)	**a)Water in seawater gained heat from the sun and evaporated. Water vapour touched the cooler inner surface of cone, lost heat and condense to form water droplets, water droplets slid down into the ridges.** **b)The water may be contaminated.**
Q39)	**a)Electrical conductor.** **b)potential → electrical → light** **c)An open circuit would be created hence electric current could not flow through for the digital clock to light up.**
Q40)	**a)Gravitational force and elastic spring force.** **b)R. For the same mass of object, the change in length of spring R was the greatest.** **c)4cm. The spring was overstretched.**
Q41)	**a)Frank's marble was at a greatest height from the ground.** **b)Potential energy Frank's marble is converted to kinetic energy as it rolled from Z to H.** **c)Leith's marble would reach D while Frank's marble reached F. some of the kinetic energy was converted to heat and sound energy so less potential energy is present so they cannot reach a point higher than their starting point.**