	INDIAN SCHOOL MUSCAT **MIDDLE SECTION** **FIRST PERIODIC TEST 2019-20**	

	SUBJECT –*SCIENCE* – SET B	**Code: MYSC03**
CLASS: **VII**		Time Allotted: **40** minutes.
23.05.2019	**ANSWER KEY (SET -B)**	Max. Marks: **20** Marks obtained:

Q.NO.	**SECTION A**		
	FILL IN THE BLANKS		**Marks**
1	The normal temperature of human body is **37°C or 98.6 °F**.		1
2	The presence of starch in leaves is detected using **Iodine test.**		1
3	The trapped insect is digested by the **digestive juices** secreted in the pitcher plant.		1
4	An ice-cold steel fork is dipped into a mug of hot water. Transfer of heat to the other end of the fork is by the process of **conduction.**		1
5	Land breeze blows during the **night.**		1
6	Cuscuta is an example **parasitic** plant.		1
	MULTIPLE CHOICE QUESTIONS		
7	**Which of the following are autotrophs?** **a)** All plants **b)** All animals **c)** Bacteria **d) Green plants**	Answer: **d) Green plants**	1
8	**In a mug that contains water at 50°C, an iron ball which is 50°C is dropped. Mention the flow of heat.** **a)** Will flow from the iron ball to water. **b) Will not flow from water to the iron ball or from the iron ball to water.** **c)** Will flow from the water to the iron ball. **d)** The temperatures of both the iron ball and water increases.	Answer: **b) Will not flow from water to iron ball or from iron ball to water**	1
9	Insectivorous plant traps insects because it **a)** is a heterotroph. **b) grows in soils which lacks nitrogen.** **c)** does not have chlorophyll.	Answer: **e) grows in soils which lacks**	1

	d) has a digestive system like human beings.	**nitrogen.**	
10	The opening and closing of stomata are controlled by **a)** cells **b)** epidermis **c)** pores **d) Guard cells**	Answer: **d) Guard cells**	1
11	The range of laboratory thermometer is usually from **a) –10°C to 110°C.** b) 10°C to 100°C. c) – 20°C to 100°C. d) 0 °C to 110°C.	Answer: **a) – 10°C to 110°C.**	1
12	The fastest mode of heat transfer is **a) Radiation** b) Convection c) Conduction d) Land breeze	Answer: **a) Radiation**	1
	SECTION B		
	ANSWER IN ONE WORD OR ONE SENTENCE		
1	**We feel more comfortable in light-colored clothes in the summer. Give reason** **Ans:** It is more comfortable to wear light colored clothes as light colors absorb less heat as compared to dark colored clothes. Thus, dark colored clothes make us feel hot, whereas light colored clothes are more comfortable to wear. **(1 mark)**		1
2	**Give the word equation to represent the process of photosynthesis.** **Ans:** Carbon dioxide + Water $\xrightarrow[\text{Sunlight}]{\text{Chlorophyll}}$ Glucose + Oxygen (1mark)		1
3	**Convert 25°C to the Fahrenheit (°F) scale**. **Ans: °F = 9 / 5 (°C) + 32 {formula (1/2 mark) & calculation (1/2 mark) }** °F = 9 / 5 (25°C) + 32 °F = 45 + 32 **°F = 77 °F**		1
4	**Name the two partners that live together in a lichen**. **Ans:** Typically, **a lichen** is made up of **a fungus and an alga** (chlorophyll containing partner) living together for mutual needs of food, shelter and nutrients. **(1 mark)**		1
	ANSWER THE FOLLOWING IN TWO SENTENCES		
5	**Mention any two precautions, that one has to observe while reading a clinical thermometer.** **Ans: Precautions to be observed while reading a clinical thermometer are** **(Any relevant 2 points x 1mark each point)** **a)** Thermometer should be washed before and after use, preferably with an antiseptic solution **b)** Ensure that before use the mercury level is below 35°C. **c)** Read the thermometer keeping the level of mercury along the line of sight. **d)** Don't hold the thermometer by the bulb while reading it.		2

	e) Handle the thermometer with care. If it hits against some hard object, it can break.	
6	**The leather objects that are kept in hot and humid weather for a long time get spoiled. Which mode of heterotrophic nutrition is shown here? Give an example**. **Ans:** The leather objects get spoiled due growth of fungus in the hot and humid climate. **(1 mark).** The fungus has a saprotrophic mode of nutrition. **(1/2 mark).** The other examples are: Bread mold, Mushroom, etc. **(1/2 mark)**.	2

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