



<b>Name</b>		<b>Roll Number</b>	
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	<b>INDIAN SCHOOL MUSCAT MIDDLE SECTION FIRST PERIODIC TEST 2022-23</b>	
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	<b><u>SCIENCE – SET A</u></b>	<b>Code: MYSC02</b>
CLASS: VII	<b>Answer key</b>	Time Allotted: 40 minutes.
22.05.2022		Max. Marks: 20 Marks obtained: <input style="width: 50px; height: 20px; border: 1px solid black;" type="text"/>

**General Instructions:**

- All questions are compulsory.**
- All answers should be written in the space provided in the question paper.**

Q.NO.	<b><u>SECTION A</u></b>	<b>Answer</b>	<b>Marks</b>
	<b><u>MULTIPLE CHOICE QUESTIONS</u></b>		
1	Which of the following statements is/are correct? (i) All green plants can prepare their own food. (ii) Most animals are autotrophs. (iii) Carbon dioxide is not required for photosynthesis. (iv) Oxygen is liberated during photosynthesis. Choose the correct answer from the options below (a) (i) and (iv)                      (b) (ii) only (c) (ii) and (iii)                     (d) (i) and (ii)	(a) (i) and (iv)	1
2	Heat always flows (a) from a colder object to a hotter object (b) from a hotter object to a colder object (c) in both the directions (d) heat never flows from one object to other	b) from a hotter object to a colder object	1
3	The raw materials used for photosynthesis are: (a) Carbon dioxide, oxygen (b) Carbon dioxide, water (c) Nitrogen, water (d) oxygen, water	(b) Carbon dioxide, water	1

4	<p>A beggar wrapped himself with a few layers of newspaper on a cold winter night. This helped him to keep himself warm because:</p> <p>(a) friction between the layers of newspaper produces heat.</p> <p>(b) newspaper is a conductor of heat.</p> <p>(c) air trapped between the layers of newspaper is a bad conductor of heat.</p> <p>(d) newspaper is at a higher temperature than the temperature of the surroundings.</p>	(c) air trapped between the layers of newspaper is a bad conductor of heat.	1
5	<p>Which of the following is a parasitic plant?</p> <p>(a) Pitcher plant</p> <p>(b) Cuscuta</p> <p>(c) Algae</p> <p>(d) Lichens</p>	(b) Cuscuta	1
6	<p>What is the SI unit of temperature?</p> <p>(a) Kelvin</p> <p>(b) Celsius</p> <p>(c) Fahrenheit</p> <p>(d) None of these</p>	(a) Kelvin	1
7	<p>Pitcher plant traps insects because it</p> <p>(a) is a heterotroph.</p> <p>(b) grows in soils which lacks nitrogen.</p> <p>(c) does not have chlorophyll.</p> <p>(d) has a digestive system like human beings.</p>	(b) grows in soils which lacks nitrogen.	1
8	<p>Sunlight reaches the earth's surface through</p> <p>(a) convection</p> <p>(b) radiation</p> <p>(c) conduction</p> <p>(d) radio waves</p>	(b) radiation	1
9	<p>The organisms which prepare their own food are known as</p> <p>(a) autotrophs</p> <p>(b) saprotrophs</p> <p>(c) heterotrophs</p> <p>(d) none of these</p>	(a) autotrophs	1
10	<p>Which of these is a good conductor of heat?</p> <p>a) Wool</p> <p>b) Water</p> <p>c) Straw</p> <p>d) Copper</p>	d) Copper	1

11	The mode of heat transfer involved in the formation of land and sea breeze is  a) Conduction                      c) Convection b) Radiation                        d) None of these	c) Convection	1
12	Which of the following statement is correct?  a) On heating, solid expand more than liquids. b) On heating, solid expand more than gases. c) On heating, liquids expand more than gases. d) On heating, liquids expand more than solids.	d)On heating, liquids expand more than solids.	1
<b><u>SECTION B</u></b>			
<b><u>ANSWER IN ONE WORD OR ONE SENTENCE</u></b>			
1	What is the function of guard cells in stomata?  <b>Guard cells help in controlling the opening and closing of stomata for gaseous exchange.</b>		1
2	State the function of Rhizobium bacteria in leguminous plants?  <b>Help in nitrogen fixation/ convert atmospheric nitrogen to soluble form of nitrates</b>		1
3	Handles of pressure cooker is made of thick plastic. Why?  <b>This is because plastic is a good insulator of heat.</b>		1
4	State any two precautions to be followed while using a Laboratory thermometer.  <b>should be kept upright, not tilted. the bulb should be surrounded from all sides by the substance of which the temperature is to be measured. the bulb should not touch the surface of the container. - Any two correct points</b>		1

<b><u>ANSWER THE FOLLOWING IN TWO SENTENCES</u></b>								
5	<p>Write any two differences between</p> <table border="1"> <thead> <tr> <th>Conduction</th> <th>Convection</th> </tr> </thead> <tbody> <tr> <td>It takes place in solid</td> <td>It takes place in fluids</td> </tr> <tr> <td>Heat transfer without the actual movement particles</td> <td>Heat transfer along with the movement of particles</td> </tr> </tbody> </table> <p>- Any two correct points</p>	Conduction	Convection	It takes place in solid	It takes place in fluids	Heat transfer without the actual movement particles	Heat transfer along with the movement of particles	2
Conduction	Convection							
It takes place in solid	It takes place in fluids							
Heat transfer without the actual movement particles	Heat transfer along with the movement of particles							
6	<p>What are saprophytes? Give an example.</p> <p>Organisms that derive its nutrition from dead and decaying organic matter – 1m</p> <p>Mushroom, yeast, fungi – any one correct answer – 1m</p>	2						