



# IDEAL INDIAN SCHOOL, DOHA –QATAR

## TERM I EXAMINATION ,OCTOBER 2023

### SCIENCE

**CLASS:VII**

**SET II**

**Max Marks: 80**

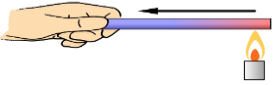
**Date: 5 - 10-2023**

**Duration: 3hrs**

**General Instructions:**

1. The Question Paper contains four sections.
2. Section A has questions of 1 mark each. It includes MCQs, fill in the blanks, assertion and reason, give one word, case study based questions and match the following.
3. Section B has 4 questions of 2 marks each with one internal choice.
4. Section C has 4 questions of 3 marks each with one internal choice.
5. Section D has 4 questions of 5 marks each with one internal choice

<b><u>SECTION – A</u></b>		
<b>I.</b>	<b>MULTIPLE CHOICE QUESTIONS:</b>	<b>Marks</b>
	Choose the correct option.	
1.	The wave like motion in the walls of the oesophagus (a) peristalsis (c) mastication	(b) epiglottis (d) dentine
2.	The products of photosynthesis are (a) oxygen, water (c) glucose, carbon dioxide	(b) water ,carbon dioxide (d) glucose, oxygen
3.	Which part of the leaf traps suns energy? (a) Flower (c) haemoglobin	(b) chlorophyll (d) iodine
4.	The true stomach of ruminants where digestion of food takes place. (a) omasum (c ) reticulum	(b) ) rumen (d) abomasum
5.	For the same rise in temperature , which of the following statements is false? (a) liquids expand more than solids (b) solids expand less than gases (c ) liquids expand more than gases (d) gases expand more than solids	1

6.	Which of these is not a fibre? (a) cotton (c) silk	(b) leather (d) jute	1
7.	Crystallization is an example for (a) a reversible chemical change (b) an irreversible physical change (c) an irreversible chemical change (d) a reversible physical change		1
8	The smallest particle of an element that retains the properties of that element . (a) molecule (c) compound	(b) mixture (d)atom	1
9.	 Identify the type of heat transfer in the above figure? (a) convection (c) radiation	(b) conduction (d) none of these	1
10.	Scientists who study and predict weather (a) astrologist (c) astronaut	(b) meteorologist (d) chemist	1
<b>II</b>	<b>FILL IN THE BLANKS</b>		
11	The process that takes place when a supersaturated solution of urea is cooled to get the solute is called.....		1
12	The process by which Sun's energy reaches the earth is -----.		1
13	Upper fixed point in the Celsius scale is-----.		1
14	Animals that are active at night when it is cool are called ----- animals.		1
15	Bile is stored in the -----.		1
16	Each silkworm sheds its skin ----- times by moulting.		1

<b>III.</b>	<b>ASSERTION AND REASON QUESTION.</b> Following questions consist of two statements-one labelled as <b>Assertion (A)</b> and the other labelled as <b>reason.(R)</b> .Answer these questions selecting the appropriate option given below: (a) Both A and R are true, and R is correct explanation of A. (b) Both A and R are true, but R is not the correct explanation of A. (c ) A is true, but R is false. (d) A is false, but R is true.	1
17 (i)	Assertion: Mercury is used in thermometers. Reason: It expands slow.	1
17 (ii)	Assertion: Condensation of water vapour is a chemical change. Reason: New substance is formed in a chemical change.	1
17 (iii)	Assertion: Dodder is an example for parasitic plant Reason: Dodder has almost no chlorophyll and cannot photosynthesis.	1
17 (iv)	Assertion: Black and dark coloured clothes are preferred for winter. Reason: They absorb sunlight and keep us warm.	1
<b>IV.</b>	<b>GIVE ONE WORD FOR THE FOLLOWING:</b>	
18.	Rearing of silkworm for the production of silk.	1
19.	The beneficial relationship between two organisms.	1
20.	What is the normal body temperature of a human in Celsius scale.	1
21.	SI unit of temperature.	1
22	What are the substances that taking part in a chemical reaction called?	1
<b>V</b>	<b>CASE STUDY BASED QUESTIONS:</b> Read the following passage and answer the following questions.	

23.	<p><b>CASE STUDY 1</b></p> <p>Tropical rain forests are located near the equator. They have a hot and wet climate. They support a greater number and variety of animals compared to any other region because of characteristics like warm weather, constant water supply and availability of food.. Precipitation is evenly distributed through out the year with plenty of rainfall. Large mammals and small animals live here. Animals are adapted to make the best use of shelter ,food and safety available to them .Elephants, monkeys etc have adaptations that help them to live in hot and wet climate</p> <ol style="list-style-type: none"> <li>1. Which of the following is an adaptation of elephants?       <ol style="list-style-type: none"> <li>(a) large ears</li> <li>(b)sensitive trunk</li> <li>(c ) tusks</li> <li>(d) all of these</li> </ol> </li> <li>2. The ----- has blue- green algae growing on its fur, giving it a greenish colour.       <ol style="list-style-type: none"> <li>(a) monkey</li> <li>(b) Jaguars</li> <li>(c ) sloth</li> <li>(d) Toucan</li> </ol> </li> <li>3. The climate of tropical rain forests.       <ol style="list-style-type: none"> <li>(a) Hot and dry</li> <li>(b) very cold and snowy</li> <li>(c) hot and wet</li> <li>(d) very little precipitation</li> </ol> </li> <li>4.In which of the following the beak is adapted to reach nuts on the branches that are too small to support the birds weight?       <ol style="list-style-type: none"> <li>(a) monkey</li> <li>(b) parrots</li> <li>(c ) sloth</li> <li>(d) Toucan</li> </ol> </li> <li>5. Tropical rain forests support a greater number and variety of animals compared to any other region .Why?</li> </ol>	5x1=5
24.	<p><b>CASE STUDY 2</b></p> <p>Some plants get their nutrients by trapping and digesting insects and sometimes other small animals.They use their modified structures formed from their leaves to trap insects. Some organisms get their nutrients from dead and decaying materials. They use digestive juices to break down the materials in to simple ones that can be absorbed.</p>	



A



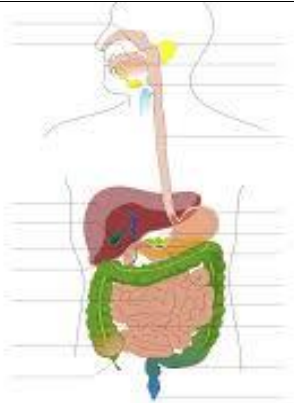
B



C.

5x1=5

- Figure C is an example for -----.  
 (a) Saprophytes  
 (b) insectivorous plants  
 (c) Symbiotic plants  
 (d) autotrophs
- In figure B which part is modified to trap insects?  
 (a) root  
 (b) leaf  
 (c) stem  
 (d) flower
- Plants that make their own food are called.....  
 (a) autotrophs  
 (b) heterotrophs  
 (c) saprophytes  
 (d) all of these
- Lichen is an example for-----.  
 (a) Saprophytic plant  
 (b) partial parasite  
 (c) Symbiotic plant  
 (d) total parasite
- Some plants get their nutrients by trapping and digesting insects and sometimes other small animals. They are called  
 (a) Saprophytes  
 (b) insectivorous plants  
 (c) Symbiotic plants  
 (d) autotrophs

25.	<p style="text-align: center;"><b>MATCH THE FOLLOWING</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">A</th> <th style="width: 50%; text-align: center;">B</th> </tr> </thead> <tbody> <tr> <td>Salivary gland</td> <td>Bakelite</td> </tr> <tr> <td>Removal of wool</td> <td>Pseudopodia</td> </tr> <tr> <td>Amoeba</td> <td>Thermometer</td> </tr> <tr> <td>Mercury</td> <td>Shearing</td> </tr> <tr> <td>Insulator</td> <td>Accessory organ</td> </tr> </tbody> </table>	A	B	Salivary gland	Bakelite	Removal of wool	Pseudopodia	Amoeba	Thermometer	Mercury	Shearing	Insulator	Accessory organ	5x1=5
A	B													
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Insulator	Accessory organ													
<p><b><u>SECTION – B</u></b>  <b>SHORT ANSWER QUESTIONS TYPE-I</b>          Answer in brief.</p>														
26.	<div style="text-align: center;">  </div> <p>Observe the given picture and answer the following</p> <ol style="list-style-type: none"> <li>The greater part of digestion takes place here.</li> <li>Bile is secreted by this organ</li> <li>What is the function of tongue?</li> </ol>	2												
27.	List any two differences between conduction and radiation.	2												
28.	What is the advantage of copper bottomed cooking vessels? Why their handles are made of wood?  <p style="text-align: center;">OR</p> Explain how convection occur?	2												
29.	<ol style="list-style-type: none"> <li>Why are gaps left between the length of rail in a railway</li> <li>What is the principle of a liquid thermometer?</li> </ol>	2												

<b>SECTION – C</b>		
<b>SHORT ANSWER QUESTIONS TYPE-II</b>		
Answer in brief.		
30.	a. List the necessary conditions for the transfer of heat by conduction. b. On what factors does the heat radiated by a body depends? c. What is the function of reflecting surface provided in an electric room heater?	3
31.	a. Convert the following into degree Fahrenheit 50 °C in to °F b. Give any two important effects of heat.	3
32.	Draw the different stages of the life cycle of a silk moth and label it. OR Write a short note on the process of obtaining woolen clothes from sheared wool.	3
33.	Identify the following changes as Physical and Chemical changes. Burning of sugar, baking of a cake, stretching a rubber band, growth of a plant, Evaporation of water, cooking of food.	3
<b>SECTION D</b>		
<b>LONG ANSWER QUESTIONS</b>		
Answer in detail		
34.	a. How are penguin adapted to live in very cold regions? Explain. b. Name any four factors that affect the climate	5
35.	a. Draw a labelled diagram of a thermos flask. b. Why does a metal container feel warmer to touch when compared to a plastic container when both are filled with hot water at the same temperature?	5
36.	a. Explain any two methods to prevent rusting. b. List three main properties of all compounds.  OR Write any four differences between physical and chemical changes. Give one example each.	5
37.	List and briefly describe the steps in digestion	5

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