

Roll No...  
Name.....

ABC/22-23  
No. of Printed Pages : 02

**Half Yearly Examination 2022-2023**  
**Subject - Science**

Time : 2.30 Hrs.

Class - 7

M.M. : 80

**Note : Attempt all questions. Marks of all questions are marked against them.**

1. Match the items given in column 'A' with those in column 'B': 2x5=10

Column 'A'	Column 'B'
(a) Cuscuta (Amarbel)	(i) Chemical reaction
(b) Liver	(ii) Acid
(c) Burning of Coal	(iii) Bile juice secretion
(d) Fish	(iv) Parasite
(e) Vinegar	(v) Gills

2. Write 'T' if the statement is true and 'F' if it is false. 2x5=10

- (a) Carbon dioxide releases in photosynthesis.
- (b) Digestion of starch begins in stomach.
- (c) Land breeze mainly blows during day time.
- (d) During heavy exercise the breathing rate of a person slows down.
- (e) For transportation of water and nutrients, phloem tissue works in plants.

3. Fill in the Blanks :

2x5=10

- (a) Largest gland of human body is.....
- (b) The fusion of male and female gametes is termed as.....
- (c) Chemical name of baking soda is.....
- (d) No medium is required for transfer of heat by the process of.....
- (e) Amoeba digest its food in the.....

4. Choose the correct answer and write down in your answer sheet : 2x5=10

- (a) Which part of the plant takes in carbon dioxide from the air for Photosynthesis -

- (i) Root hair (ii) Stomata  
(iii) Leaf veins (iv) Petals

(b) Water from the undigested food is absorbed mainly in the-

- (i) Stomach (ii) Food pipe  
(iii) Small Intestine (iv) Large Intestine

(c) During exhalation, the ribs

- (i) move outwards (ii) move downwards  
(iii) move upwards (iv) do not move at all

(d) A wooden spoon is dipped in a cup of ice-cream. Its other end:

- (i) becomes cold by the process of conduction.  
(ii) becomes cold by the process of convection.  
(iii) becomes cold by the process of radiation.  
(iv) does not become cold.

(e) The plant which traps and feeds on insects is-

- (i) Cuscuta (ii) China Rose  
(iii) Pitcher Plant (iv) Rose

5. How would you show that setting of curd is a chemical change? 4

6. Give two examples of each of conductors and insulators of heat. 4

7. What is respiration? Explain. 4

8. What is pollination? 4

9. Write one similarity and one difference between the nutrition in amoeba and human beings. 4

10. Each question contain five marks- 5x4=20

(a) Draw a neat and well labelled diagram showing the process of Photosynthesis.

(b) Blue litmus paper is dipped in a solution. It remains blue. What is the nature of the solution? Explain.

(c) Define three methods of transfer of heat with suitable examples.

(d) What is rusting? Which type of change is rusting?

