

ATOMIC ENERGY CENTRAL SCHOOL-2, MUMBAI

PERIODIC TEST-1: 2022-23

Class: VII
Subject: SCIENCE

Time: 1 ½ Hrs
Max Marks: 40

General Instructions:

1. The question paper comprises of **two parts- Part A and Part B.**
2. All questions are compulsory.
3. **Part A:** Q. No **1 to 15** are multiple choice questions (MCQs) carrying one mark each which includes Assertion and Reasoning type and Case Study type questions.
4. **Part B:** Q. No **16 to 19** are **Short Answer type-I (SA-I)** questions carrying two marks each.
5. **Part B:** Q. No **20 to 23** are **Short Answer type-II (SA-II)** questions carrying three marks each.
6. **Part B:** Q. No **24** is a **Long Answer type (LA)** carrying five marks.
7. Draw neat and labelled diagram wherever necessary.

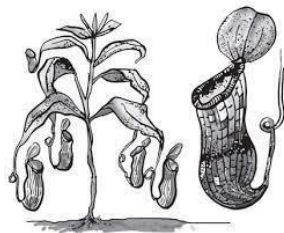
PART – A

Choose the correct answer from the following:

(1 x 15 = 15)

1. In amoeba, digestion of food takes place in the
a) stomach b) intestine c) cytoplasm d) food vacuole
2. There is a yellow coloured Cuscuta plant twining around the stem and branches of a tree. Identify the host and the parasite out of Cuscuta and tree.
a) Cuscuta is host, tree is parasite b) Cuscuta is parasite, tree is host
c) Both parasite and host –tree d) Both parasite and host – Cuscuta
3. Which of the following cannot be digested by human beings?
a) protein b) cellulose c) fat d) starch

4. Identify the plant.



- a) *Cuscuta* b) pitcher plant c) money plant d) cactus
5. The small pores present on the surface of leaves are called
a) stomata b) Chlorophyll c) Guard cells d) veins
 6. Which one of the following is an autotroph?
a) Amoeba b) Algae c) Fungus d) Cuscuta
 7. The intake of food inside the body is called
a) digestion b) ingestion c) egestion d) assimilation
 8. The pigment which absorbs solar energy during photosynthesis is
a) stoma b) guard cells c) chlorophyll d) root hair

9. Which of the following pair of teeth differ in structure but are similar in function?

- a) Canines and incisors
- b) Molars and premolars
- c) Incisors and molars
- d) Premolars and canines

10. Bile is secreted by the _____

- a) stomach
- b) pancreas
- c) liver
- d) salivary glands

Directions: Question numbers 11 and 12 consists of two statements--Assertion (A) and Reason (R). Answer these questions by selecting an appropriate option from below:

- a) Both assertion and reason are true and reason is the correct explanation of assertion .
- b) Both assertion and reason are true but reason is not the correct explanation of assertion .
- c) Assertion is true but reason is false.
- d) Assertion is false but reason is true.

11. Assertion(A): The salivary glands present in the mouth secrete saliva.

Reason(R): The saliva breaks down the proteins into sugar.

12. Assertion(A): Fungi is a saprotroph.

Reason(R): The mode of nutrition in which organism take nutrients from dead and decaying matter is known as saprotrophic nutrition.

Read the following passage and answer questions 13 to 15.



The adjoining figure shows tooth decay in human beings.

13. Name the organism responsible for tooth decay in humans.

14. Name any two food items responsible for tooth decay.

15. Write one preventive measure to avoid tooth decay.

PART B

Answer the following questions in one or two sentences.

(2 x 4 = 8)

16. Which part of the digestive system is involved in:

- (a) Absorption of food _____.
- (b) Chewing of food _____

17. Write an activity to test presence of starch in leaves.

18. Following statements describe the two steps in animal nutrition. Read each statement and give one word for each statement.

- (a) Breaking of complex food into simpler and soluble substances.
- (b) Removal of undigested food from the body.

19. Differentiate between autotrophs and heterotrophs.

Answer the following questions in three to four sentences.

(3 x 4 = 12)

20. What is meant by symbiosis? Explain with an example.
21. Explain the mode of nutrition found in fungi. Name the process.
22. Write the three functions of the tongue.
23. What are villi? What is their location and function?

SECTION D

(1 x 5 = 5)

24. Draw a neat labelled diagram of human digestive system and label the following

- a) buccal cavity b) oesophagus c) stomach d) small intestine e) large intestine f) rectum