

BUDHA DAL PUBLIC SCHOOL PATIALA
First Term Examination (16 September 2024)
CLASS - VII
PAPER- SCIENCE (SET-B)

M.M. 80

Time: 3 hr.

General Instructions:

1. All questions are compulsory.
2. Attempt all questions section wise in the serial order neatly and leave one line after every answer.
3. Draw neat and labelled diagrams wherever required.

Section - A

Answer in one word or one sentence :

- Q1. Name the structure that transports food synthesized in the leaves to different parts of the plant. 1×10=10
- Q2. Name the hardest substance that covers the teeth.
- Q3. What is the SI unit of temperature?
- Q4. Give one example of chemical change.
- Q5. What is the standard unit of speed?
- Q6. What is manhole?
- Q7. What is a food web?
- Q8. Write any one function of stomata.
- Q9. Where is the bile juice stored in the human body?
- Q10. _____ are known as the cleansing agents of the environment.

Section - B

Give short answers :

- Q11. What is saprotrophic mode of nutrition? 2×10=20
- Q12. Which part of alimentary canal is involved in
a) chewing of food b) formation of faeces
- Q13. Why pressure cookers are provided with a bakelite handle?
- Q14. Why is melting of ice to form water considered a physical change?
- Q15. Define oscillation of the pendulum.
- Q16. Name two organic impurities and two nutrients present in sewage.
- Q17. How does forests prevent soil erosion?
- Q18. a) Which type of graph is obtained when you plot a distance-time graph of a non-uniform motion? 1+1
b) What is an irreversible change?

- Q19. a) Write any one function of villi. 1+1
b) Which enzyme breaks down the starch present in food, into sugars?

B-1

- Q20. a) Name one common source of waste water.
b) Name any two infectious diseases caused by stagnant sewage.

Section - C

Answer the following:

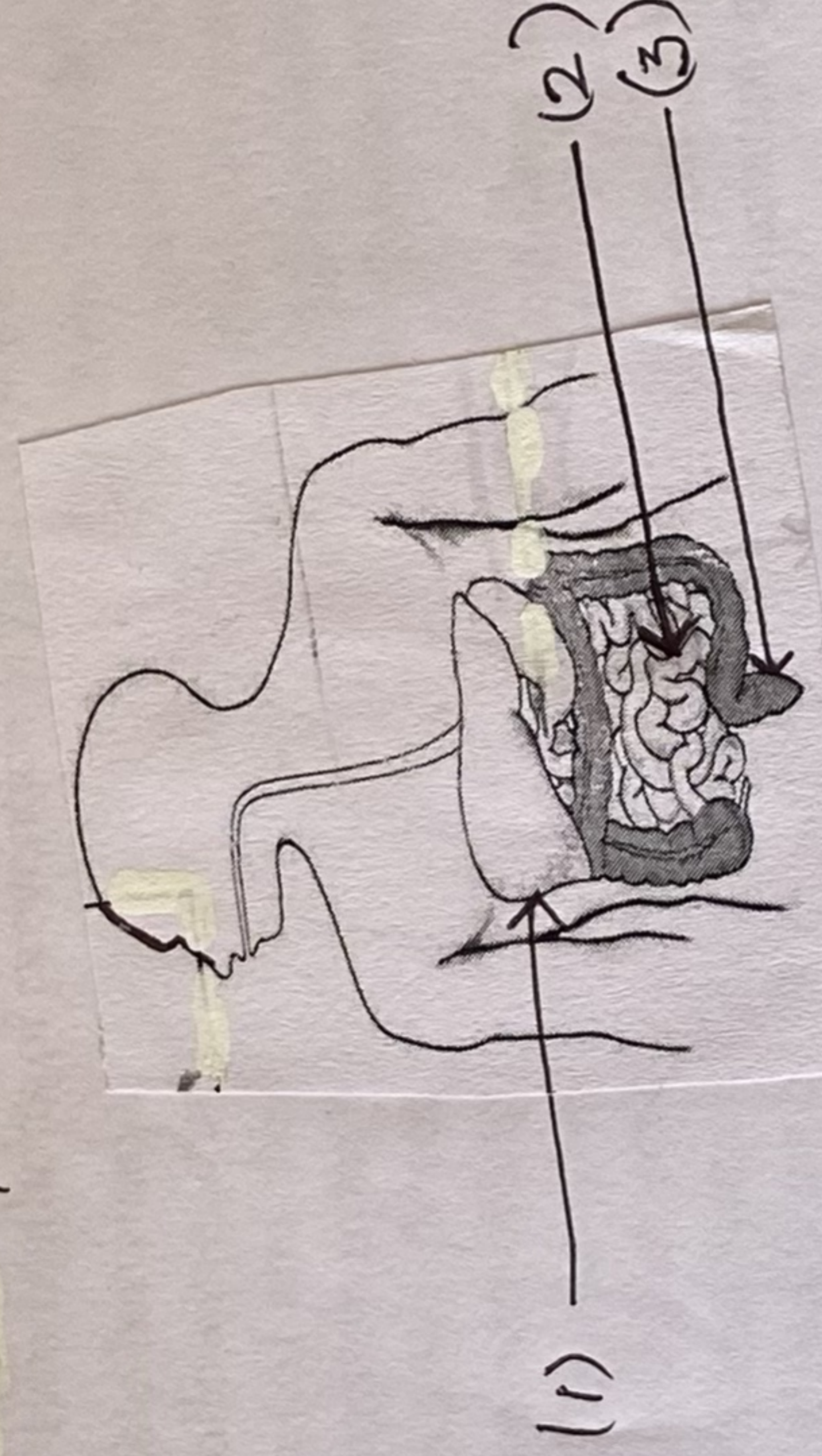
- Q21. a) Give one example of partial parasite plant.
b) What happens if all the plants perish from the Earth?

Q22. Classify the following into physical and chemical change :

- Burning of petrol
- Melting of wax
- Cooking of food
- Digestion of food
- stretching of a rubber band
- Formation of curd from milk

Q23. A school bus takes 45 minutes to cover a distance of 27km. Calculate its speed in km/h.

Q24. Label the parts (1), (2) and (3)



Q25. a) Why are the firefighting suits always bright and shiny? (2+1)

b) Which property of metals is used in measurement of Temperature? (1+2)

a) What is Activated sludge?

b) Why chemicals like paints and medicines should not be thrown down the drain? (3)

Q27. Write any three effects of deforestation. (3)

Q28. Write any three differences between physical and chemical changes. (3)

Q29. Explain how animals are dependent on plants? (give any 3 points) (2+1)

Q30. a) Explain why gaps are left between two sections of rail tracks.
b) Give any two examples of conductors. 20

Section - D

Q31. 1. The microorganisms that convert dead plants and animals into humus are known as (1×5)

- consumers
- producers
- decomposers
- scavengers

2. Which part of these is a part of wastewater treatment plant?

- clarifier
- bar screens
- aeration tank
- all of these

3. In the following questions, two statements are given - one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to this question from the codes (a), (b), (c) and (d) as given below
Assertion (A) : Kink is provided in a clinical thermometer.
Reason (R) : Kink prevent the movement of mercury back into the bulb when the thermometer is taken out of a person's mouth.

- Both A and R are true and R is the correct explanation of the assertion.
- Both A and B are true but R is not the correct explanation of assertion.
- A is true and R is false
- A is false but R is true

4. Write any one application of radiation.

5. Organisms that use solar energy to make food are called producers. Which one of the following options contains all the producers?

- grasshoppers, mice, rabbits
- grass, shrubs and grasshoppers
- mice, rabbits and grasshoppers
- grasses and shrubs

Q32.

- Write any two differences between milk teeth and permanent teeth. (2+1+2)
- Write any two points by which tooth decay can be avoided.
- Write any two methods of prevention of rusting of iron.

Q33.

- Differentiate between uniform motion and non- uniform motion. (2+1+1)
- In the following question, two statements are given - one labelled Assertion (A) and the other labelled Reason (R). Select the correct answer to this question from the codes (a), (b), (c) and (d) as given below

Assertion (A) : A person sitting in a moving train appears to be at rest to another person sitting next to him.

Reason (R) : An object is said to be at rest when it does not change its position with respect to its surroundings.

- Both A and R are true and R is the correct explanation of the assertion.
- Both A and B are true but R is not the correct explanation of assertion.
- A is true and R is false
- A is false but R is true

3. What is sea breeze?

(1×6)

Q34. Match the following:

1) stagnant sewage	a) leguminous plants
2) nitrates	b) cholera
3) deforestation	c) saprotroph
4) rhizobium bacteria	d) inorganic waste
5) utricularia	e) soil erosion
6) coral root	f) insectivorous plant