



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
कार्यपत्रक/Worksheet (2025-26)

कक्षा/Class: VII

विषय/Subject: Science

माह/Month: December

दिया गया पाठ्यक्रम/Chapter 9: LIFE PROCESSES IN ANIMALS

विद्यार्थी का नाम/Name of the student: _____

अनुक्रमांक /Roll No. _____ कक्षा/अनुभाग Class /Sec.: _____ दिनांक/Date: _____

Section – A

Choose the correct answer from the given options.

1. Which part of the alimentary canal is involved in complete digestion of food?
(a) stomach (b) buccal cavity (c) small intestine (d) oesophagus
2. The bile plays an important role in the digestion of
(a) carbohydrates (b) fats (c) sugar (d) starch
3. The breakdown of complex components of food into simpler substances is called
(a) ingestion (b) egestion (c) assimilation (d) digestion
4. Hydrochloric acid is secreted by
(a) buccal cavity (b) stomach (c) small intestine (d) pancreas
5. Which of the following is an example of ruminant?
(a) fish (b) amoeba (c) cow (d) hen
6. The small balloon-like sacs in the lungs where gas exchange occurs are called:
(a) Bronchi (b) Alveoli (c) Windpipe (d) Nasal passage
7. What is the role of saliva in digestion?
(a) It digests proteins. (b) It breaks down fats.
(c) It moistens food and begins starch digestion. (d) It neutralises stomach acid.
8. Which of the following is NOT part of the digestive system?
(a) Oesophagus (b) Pancreas (c) Kidney (d) Stomach
9. The main purpose of respiration is to:
(a) Produce oxygen (b) Eliminate waste (c) Produce energy (d) Digest food.
10. Which of the following will give a blue-black colour when tested with iodine?
(a) Boiled and mashed potato (b) Glucose solution (c) chewed rice (d) Mustard oil

Choose the correct answer from options given below for the statements.

(a) Both A and R are true and R is the 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

11.Assertion(A): Alimentary canal starts from mouth and ends in stomach.

Reason (R): Breaking down of complex food components into simpler forms occurs in a long tube called alimentary canal.

12.Assertion(A): We breathe in oxygen and breathe out carbon dioxide.

Reason (R):Our body generates energy using oxygen through respiration and produces carbon dioxide as waste

13.Assertion(A): Large intestine is 6 m long and small intestine is 1.5 m long.

Reason (R): Large intestine is shorter in length than small intestine yet it is called large intestine because it is wider than small intestine.

14.Assertion (A). The diaphragm plays a key role in respiration.

Reason (R):Diaphragm moves downwards during inhalation and moves outside during exhalation.

15.Case Based Questions: Read the following passage and answer the following questions given below.

Animals, including humans, obtain energy from food, which enables them to carry out various life processes. Animals consume food that contains complex components, such as carbohydrate, protein, and fat. These complex food components have to be broken down into simpler forms before the body can use them.

a) Why do animals need food?

b) What is meant by digestion?

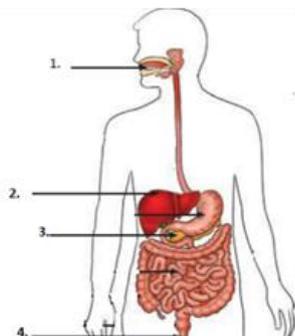
c) Name the nutrients which mainly give energy to our body.

d) Name any two food items that are a rich source of protein.

Section - B

Short Answer Type Questions (Type-I):

16.Name the parts 1,2,3 and 4 of the following diagram.



17.Choose the odd one out from each group.

a) tongue, absorption, taste, swallow

b) starch, liver, pancreas, salivary gland

18. In the experiment, where we exhale into lime water containing glass. What changes were observed by you?

19. Draw diagram of the oesophagus to show the movement of food.

20. Why do we feel a sweet taste when we chew chapati for long?

Short Answer Type Questions (Type-II):

21. How does a bird digest food without teeth?

22. What is rumination? Name two animals that ruminate.

23. Draw and label human respiratory system.

24. What is the function of gills in fish?
