

SUBJECT – SCIENCE

CLASS – VII

CHAPTER – 2, NUTRITION IN ANIMALS

1 MARK QUESTIONS

1. Which part of stomach in ruminants temporarily stores partially chewed food?
Rumen temporarily stores partially chewed food in ruminants.
2. What is cud?
Partially digested food in ruminants is known as cud.
3. What is the other name of digestive canal?
Alimentary canal is the other name of digestive canal.
4. Name the widest part of the alimentary canal.
The widest part of alimentary canal is stomach.
5. What is tooth decay?
Damage in teeth caused by acids secreted by bacteria present in buccal cavity is called tooth decay.
6. What is diarrhoea?
Diarrhoea is a condition in which a person passes watery stool frequently.

2 MARKS QUESTIONS

7. How many sets of teeth do humans have in their lifetime?
The two sets of teeth humans have in their lifetime are:
 - ✓ Milk teeth
 - ✓ Permanent teeth
8. What is oesophagus?
The oesophagus is a long tube that connects buccal cavity to stomach. It is also known as food pipe.
9. Why do we vomit?
When the food is not accepted by our stomach due to indigestion or poisoning, the food is vomited out.
10. What is ORS? When it is given?
 - ORS stands for Oral Rehydration Solution. It is boiled and cooled water with a pinch of salt and sugar dissolved in it.
 - ORS is given to treat dehydration caused due to diarrhoea.
11. What is the main function of the large intestine?
The function of large intestine is to absorb water and some salts from the undigested food material.

12. What is rumination and what are ruminants?

The process in which semi digested food (cud) returns to the mouth in small lumps and the animal chews it is known as rumination. Such animals are called ruminants.

13. What are pseudopodia?

Finger like projections of amoeba that are used for movement and for capturing food are called pseudopodia.

3 MARKS QUESTIONS

14. Describe the role of saliva, bile juice and pancreatic juice in digestion.

- Saliva breaks down the starch into sugars.
- Bile juice plays an important role in digestion of fats.
- Pancreatic juice acts on carbohydrates, fats and proteins and changes them into simpler forms.

15. What are the different ways by which different animals obtain their food?

- Bees and humming birds suck the nectar of plants.
- Infants of human and many other animals feed on mother's milk.
- Snakes like the python swallow the animals they prey upon.
- Some aquatic animals filter tiny food particles floating nearby and feed upon them.

16. How starfish obtain its food?

Starfish feed on animals covered by hard shells of calcium carbonate. After opening the shell, the starfish pops out its stomach through its mouth to eat the soft animal inside the shell. The stomach then goes back into the body and the food is slowly digested.

17. How many types of teeth are present in the buccal cavity of human being?

Four types of teeth are present in buccal cavity of human being. They are –

- Incisors - in total, used for cutting and biting
- Canines - 4 in total, used for tearing
- Premolars - 8 in total, used for chewing and grinding
- Molars- 12 in total, used for chewing and grinding

18. Why we should rinse the mouth after every meal?

We should rinse the mouth after every meal because many harmful bacteria begin to grow on the leftover food. These bacteria break down the sugars present in the leftover food and release acids which gradually damage the teeth.

19. What are the functions of tongue?

- Tongue helps in talking.
- Tongue helps in mixing saliva with the food.
- Tongue helps in swallowing food.
- Tongue has taste buds that detect different tastes of food.

20. Write the secretions of the stomach along with their functions.

The inner lining of the stomach secretes mucous, hydrochloric acid and digestive juices.

- Mucous protects the lining of the stomach from the acid.
- Hydrochloric acid kills bacteria and makes the medium in the stomach acidic so that digestive juices can act.
- Digestive juice breaks down the proteins into simpler substances.

21. What is the function of small intestine?

- Small intestine receives secretions from the liver and the pancreas.
- The wall of small intestine secretes intestinal juices which completes the digestion of all the components of the food.
- Inner walls of the small intestine have villi which increases the surface area for absorption of digested food.

22. How does amoeba capture food?

Amoeba captures food with the help of pseudopodia (false feet).

- When amoeba senses food, it pushes out pseudopodia around the food particle and engulfs it.
- The food becomes trapped in a food vacuole.
- Digestive juices are secreted into the food vacuole which act on the food and break it down into simpler substances.

23. What are the simpler form of carbohydrates, fats and proteins?

S. No.	Component of food	Simpler form
1.	Carbohydrates	Sugars (glucose)
2.	Fats	Fatty acids and glycerol
3.	Proteins	Amino acids