

BHARATH COACHING CENTRE

7th CBSE

Science

Total: 50

Nutrition in Animals

Time: 1.30hrs

SECTION – A

32 × 1 = 32

1. Fill in the blanks:

- (a) The main steps of digestion in humans are _____, _____, _____ and _____.
- (b) The largest gland in the human body is _____.
- (c) The stomach releases hydrochloric acid and _____ juices which act on food.
- (d) The inner wall of the small intestine has many finger-like outgrowth called _____.
- (e) Amoeba digests its food in the _____.
- (f) Amoeba finger-like projections, called _____.
- (g) Two example for ruminants are _____ and _____.

2. Mark 'T' if the statement is true and 'F' if it is false:

- (a) Digestion of starch starts in the stomach. (T/F)
- (b) The tongue helps in mixing food with saliva. (T/F)
- (c) The gall bladder temporarily stores bile. (T/F)
- (d) The ruminants bring back swallowed grass into their mouth and chew it for some time. (T/F)

3. Tick () mark the correct answer in each of the following:

- (a) Fat is completely digested in the
 - (i) stomach (ii) mouth (iii) small intestine (iv) large intestine
- (b) Water from the undigested food is absorbed mainly in the
 - (i) stomach (ii) foodpipe (iii) small intestine (iv) large intestine

4. Match the items of Column I with those given in Column II:

Column I	Column II
Food components	Product(s) of digestion
(a) Carbohydrates	Fatty acids and glycerol
(b) Proteins	Sugar
(c) Fats	Amino acids

5. Which part of the digestive canal is involved in:

- (i) absorption of food _____.
- (ii) chewing of food _____.

- (iii) killing of bacteria _____.
- (iv) complete digestion of food _____.
- (v) formation of faeces _____.

6. Match the items of Column I with suitable items in Column II

Column I	Column II
(a) Salivary gland	(i) Bile juice secretion
(b) Stomach	(ii) Storage of undigested food
(c) Liver	(iii) Saliva secretion
(d) Rectum	(iv) Acid release
(e) Small intestine	(v) Digestion is completed
(f) Large intestine	(vi) Absorption of water
	(vii) Release of faeces

SECTION – B

4 × 2 = 8

7. What are villi? What is their location and function?
8. Where is the bile produced? Which component of the food does it digest?
9. Name the type of carbohydrate that can be digested by ruminants but not by humans. Give the reason also.
10. Why do we get instant energy from glucose?

SECTION – C

2 × 5 = 10

11. Write one similarity and one difference between the nutrition in amoeba and human beings.
12. Can we survive only on raw, leafy vegetables/grass? Discuss.