

5. **Assertion:** Pitcher plant traps insects because it grows in soils which lack in nitrogen. (1)
Reason: Nitrogen is required by Pitcher plant to synthesis proteins.
a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true and R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true.

SHORT ANSWER QUESTIONS.

6. a) Leaves are called food factory of a plant. Give reason. (1)
b) Write the word equation representing the process of photosynthesis. (1)
7. Write the function for the following:
a) Hydrochloric acid in the human stomach. (1)
b) Finger like outgrowth present in small intestine. (1)
8. What is rumination? Give two examples of ruminants. (2)

9. CASE BASED – SOURCE BASED QUESTIONS

Roy was very adorable boy in class but everyone maintained a distance while he talked. Roy never brushed his teeth properly. His friends warned him either he should brush his teeth properly and regularly or they will stop talking to him. One morning Roy woke up with pain and visible hole in his tooth. His mother took him to the doctor for treatment. After returning he went to his grandma and said sorry for not listening to her advice.

- a) With reference to the above case which disease Roy is suffering from? (1)
b) What type of food Roy should avoid for not suffering from the disease described above? (any 2) (1)
c) Write any two functions of teeth in humans. (1)

LONG ANSWER QUESTIONS.

10. a) Differentiate between host and parasite in heterotrophic mode of nutrition. (1points) (1)
b) What is symbiotic relationship? Give one example of symbiotic relationship. (2)
11. Explain the process of nutrition in amoeba. (3)

Or

What is nutrition? Write down the steps involved in the process of nutrition in human beings.
