Choose the correct answer (1 : 21) :

1 If we supposed that the plant (X) obtains its food in the form of glucose, vitamin (B), water and salts. So, this means that the plant is .....

(a) autotrophic and contains simple chlorophyll.

(b) autotrophic and contains chlorophyll (A) only.

(c) autotrophic and contains chlorophyll (B) only.

(d) heterotrophic and doesn't contain chlorophyll (A) or (B).

2 The following diagram represents a vital process that occurs inside the human body, it is possible that .....

$$\text{Protein} + H_2O \xrightarrow{(x)} (Y)\ (Y)\ (Y)\ (Y)$$

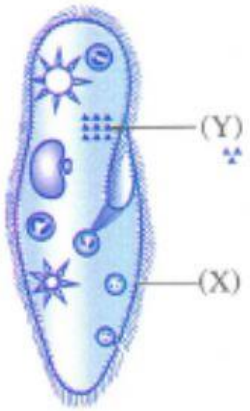
(a) (X) is the peptidase enzyme and (Y) is polypeptide.

(b) (X) is the peptidase enzyme and (Y) is amino acid.

(c) (X) is the trypsin enzyme and (Y) is amino acid.

(d) (X) is the pepsin enzyme and (Y) is polypeptide.

3 The opposite figure illustrates a unicellular animal that lives in the swamp and pond water, the arrow shows the transfer of molecules (Y) through the structure (X) by ..... phenomenon.



(a) diffusion

(b) active transport

(c) imbibition

(d) osmosis

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