



# ST. LAWRENCE HIGH SCHOOL



## A JESUIT CHRISTIAN MINORITY INSTITUTION

### SOLUTIONS – 41

Class: IX

Sub: Life Science

Date: 20.06.2020

### Topic: Human Digestive Enzymes and Metabolism

F.M. : 15

**Choose the correct option:**

**(1x15=15)**

- The proteins which speed up / catalyze biological reactions are called :-  
a) Enzymes b) Biological Catalyst c) Catalyst d) Both (a) and (b)  
**Answer : Both (a) and (b) (d)**
- Salivary amylase is also known as :-  
a) Ptyalin b) Pepsin c) Rennin d) Lipase  
**Answer : Ptyalin (a)**
- Salivary amylase is secreted by :-  
a) Parotid gland b) Sub-lingual gland c) Sub-mandibular gland d) All of these  
**Answer : All of these (d)**
- Salivary amylase breaks down starch into \_\_\_\_\_.  
a) Sucrose b) Maltose c) Dextrose d) All of these  
**Answer : Maltose (b)**
- The main proteolytic enzyme secreted in stomach :-  
a) Ptyalin b) Trypsin c) Pepsin d) Chymotrypsin  
**Answer : Pepsin (c)**
- Pepsin works best at \_\_\_\_\_ PH.  
a) Acidic b) Basic c) Neutral d) None of these  
**Answer : Acidic (a)**
- The chief proteolytic enzyme of pancreatic juice is :-  
a) Pepsin b) Trypsin c) Chymotrypsin d) Both (b) and (c)  
**Answer : Both (b) and (c) (d)**
- Trypsin works best at \_\_\_\_\_ PH.  
a) Acidic b) Basic c) Neutrals d) All of these  
**Answer : Basic (b)**
- Enzymes which digest nucleic acids are called :-  
a) Nuclease b) Nucleosidase c) Amylase d) Both (a) and (b)  
**Answer : Both (a) and (b) (d)**

10. Pepsin breaks down proteins into \_\_\_\_\_.
- a) Amino acids b) Carbon, Hydrogen and Oxygen c) Large peptides d) All of these
- Answer : Large Peptides (c)**
11. Emulsified fats are acted upon by \_\_\_\_\_ to obtain fatty acid and glycerol.
- a) Protease b) Bile c) Amylase d) Lipase
- Answer : Lipase (d)**
12. Breakdown of dipeptides into amino acids is brought about by :-
- a) Trypsin b) Pepsin c) Peptidase d) Nuclease
- Answer : Peptidase (c)**
13. The constructive metabolism in our bodies is called :-
- a) Assimilation b) Anabolism c) Catabolism d) All of these
- Answer : Anabolism (b)**
14. Characteristic of anabolism is :-
- a) Storage of energy b) Increase in cell mass c) Formation of complex organic molecules  
d) All of these
- Answer : All of these (d)**
15. The process of breaking down of large molecules into smaller ones to release energy is called :-
- a) Anabolism b) Catabolism c) Destructive d) Both (b) and (c)
- Answer : Both (b) and (c) (d)**

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