

# BIOLOGY

**CLASS-XI**

**NEET**

## MODULE-01

Digestion and Absorption

| Structural Organization in Animal | Cell Unit of Life  
| Cell cycle | Transports in Plants

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Physics Wallah

# NEET Past 10 Year Questions



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- The enzyme enterokinase helps in conversion of: (2020)
  - Trypsinogen into trypsin
  - Caseinogen into casein
  - Pepsinogen into pepsin
  - Protein into polypeptides
- Identify the correct statement with reference to human digestive system. (2020)
  - Serosa is the innermost layer of the alimentary canal.
  - Ileum is a highly coiled part.
  - Vermiform appendix arises from duodenum.
  - Ileum opens into small intestine.
- The proteolytic enzyme rennin is found in: (2020 Covid Re-NEET)
  - Bile juice
  - Gastric juice
  - Pancreatic juice
  - Intestinal juice
- Intrinsic factor that helps in the absorption of vitamin B<sub>12</sub> is secreted by: (2020 Covid Re-NEET)
  - Hepatic cells
  - Oxyntic cells
  - Chief cells
  - Goblet cells
- Identify the cells whose secretion protects the lining of gastro-intestinal tract from various enzymes. (2019)
  - Chief Cells
  - Goblet Cells
  - Oxyntic Cells
  - Duodenal Cells
- Match the following structures with their respective location in organs (2019)
 

A. Crypts of Lieberkuhn	i. Pancreas
B. Glisson's Capsule	ii. Duodenum
C. Islets of Langerhans	iii. Small intestine
D. Brunner's Glands	iv. Liver

Select the correct option from the following

(A)	(B)	(C)	(D)
a. (iii)	(i)	(ii)	(iv)
b. (ii)	(iv)	(i)	(iii)
c. (iii)	(iv)	(i)	(ii)
d. (iii)	(ii)	(i)	(iv)
- Which of the following terms describe human dentition? (2018)
  - Thecodont, Diphyodont, Homodont
  - Thecodont, Diphyodont, Heterodont
  - Pleurodont, Monophyodont, Homodont
  - Pleurodont, Diphyodont, Heterodont
- Which of the following gastric cells indirectly help in erythropoiesis? (2018)
  - Chief cells
  - Mucous cells
  - Goblet cells
  - Parietal cells
- Which cells of 'Crypts of Lieberkuhn' secrete antibacterial lysozyme? (2017-Delhi)
  - Argentaffin cells
  - Paneth cells
  - Zymogen cells
  - Kupffer cells
- A baby boy aged two years is admitted to play school and passes through a dental check-up. The dentist observed that the boy had twenty teeth. Which teeth were absent? (2017-Delhi)
  - Incisors
  - Canines
  - Pre-molars
  - Molars
- Which of the following options best represents the enzyme composition of pancreatic juice? (2017-Delhi)
  - Amylase, peptidase, trypsinogen, rennin
  - Amylase, pepsin, trypsinogen, maltase
  - Peptidase, amylase, pepsin, rennin
  - Lipase, amylase, trypsinogen, procarboxypeptidase
- Which of the following guards the opening of hepatopancreatic duct into the duodenum? (2016 - I)
  - Semilunar valve
  - Ileocaecal valve
  - Pyloric sphincter
  - Sphincter of Oddi
- In the stomach, gastric acid is secreted by the: (2016 - I)
  - Gastrin secreting cells
  - Parietal cells
  - Peptic cells
  - Acidic cells
- Gastric juice of infants contains: (2015)
  - Pepsinogen, lipase, rennin
  - Amylase, lipase, pepsinogen
  - Maltase, pepsinogen, rennin
  - Nuclease, pepsinogen, lipase
- Which of the following statements is not correct? (2015)
  - Oxyntic cells are present in the mucosa of stomach and secrete HCl
  - Acini are present in the pancreas and secrete carboxypeptidase
  - Brunner's gland is present in the submucosa of stomach and secrete pepsinogen
  - Goblet cells are present in the mucosa of intestine and secrete mucus
- The primary dentition in human differs from permanent dentition in not having one of the following types of teeth: (2015 Re)
  - Premolars
  - Molars
  - Incisors
  - Canine
- The enzyme that is not present in *Succus entericus* is: (2015 Re)
  - Nucleases
  - Nucleosidase
  - Lipase
  - Maltase

## Digestion and Absorption

18. Fructose is absorbed into the blood through mucosa cells of intestine by the process called: (2014)  
a. Co-transport mechanism    b. Active transport  
c. Facilitated transport    d. Simple diffusion
19. The initial step in the digestion of milk in humans is carried out by (2014)  
a. Pepsin    b. Lipase  
c. Trypsin    d. Rennin
20. Select the correct match of the digested products in humans given in column I with their absorption site and mechanism in column II (2013)
- |    | Column I                  | Column II                           |
|----|---------------------------|-------------------------------------|
| a. | Cholesterol, maltose      | Large intestine, active absorption  |
| b. | Glycine, glucose          | Small intestine, active absorption  |
| c. | Fructose, Na <sup>+</sup> | Small intestine, passive absorption |
| d. | Glycerol, fatty acids     | Duodenum, move as Chylomicrons      |
21. Where do certain symbiotic microorganisms normally occur in human body? (2012 Mains)  
a. Caecum  
b. Oral lining and tongue surface  
c. Vermiform appendix and rectum  
d. Duodenum
22. Anxiety and eating spicy food together in an otherwise normal human, may lead to: (2012 Pre)  
a. Vomiting    b. Indigestion  
c. Jaundice    d. Diarrhoea
23. One of the constituents of the pancreatic juice while poured into the duodenum in humans is: (2011 Mains)  
a. Trypsin  
b. Enterokinase  
c. Trypsinogen  
d. Chymotrypsin
24. Which one of the following correctly represents the normal adult human dental formula? (2011 Pre)  
a.  $\frac{2}{2}, \frac{1}{1}, \frac{2}{2}, \frac{3}{3}$     b.  $\frac{3}{3}, \frac{1}{1}, \frac{3}{3}, \frac{3}{3}$   
c.  $\frac{3}{3}, \frac{1}{1}, \frac{3}{2}, \frac{1}{1}$     d.  $\frac{2}{2}, \frac{1}{1}, \frac{3}{2}, \frac{3}{3}$
25. Which one of the following enzymes carries on the initial step in the digestion of milk in humans? (2011 Pre)  
a. Trypsin    b. Pepsin  
c. Rennin    d. Lipase
26. Two friends are eating together on a dining table. One of them suddenly starts coughing while swallowing some food. This coughing would have been due to improper movement of: (2011 Pre)  
a. Tongue    b. Epiglottis  
c. Diaphragm    d. Neck

# ABOUT PHYSICS WALLAH



Alakh Pandey is one of the most renowned faculty in NEET & JEE domain's Physics. On his YouTube channel, Physics Wallah, he teaches the Science courses of 11th and 12th standard to the students aiming to appear for the engineering and medical entrance exams.



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