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NEET DIGESTION AND ABSORPTION — DIGESTION OF FOOD (MOUTH, STOMACH, SMALL INTESTINE) — PYQS

Max. Marks: 80 **Questions:** 20

Section A (MCQ) — 20 questions

Q.1 Which of the following functions is not performed by secretions from salivary glands? [NEET (UG) 2022]

(1) Control bacterial population in mouth
(2) Digestion of complex carbohydrates
(3) Lubrication of oral cavity
(4) Digestion of disaccharides

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Q.2 Choose the incorrect enzymatic reaction: [NEET (UG) 2022 (Phase 2)]

(1) Dipeptides $\xrightarrow{\text{Dipeptidases}}$ Amino acids
(2) Maltose $\xrightarrow{\text{Maltase}}$ Glucose + Fructose
(3) Sucrose $\xrightarrow{\text{Sucrase}}$ Glucose + Fructose
(4) Lactose $\xrightarrow{\text{Lactase}}$ Glucose + Galactose

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Q.3 Succus entericus is referred to as : [NEET (UG) 2021]

(1) Chyme (2) Pancreatic juice
(3) Intestinal juice (4) Gastric juice

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Q.4 The enzyme enterokinase helps in conversion of [NEET (UG) 2020]

(1) pepsinogen into pepsin
(2) protein into polypeptides
(3) trypsinogen into trypsin
(4) caseinogen into casein

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Q.5 Which of the following gastric cells indirectly help in erythropoiesis? [NEET 2018]

(1) Mucous cells (2) Parietal cells
(3) Chief cells (4) Goblet cells

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Q.6 Which of the following options best represents the enzyme composition of pancreatic juice? [NEET 2017]

(1) Amylase, Pepsin, Trypsinogen, Maltase
(2) Peptidase, Amylase, Pepsin, Rennin
(3) Lipase, Amylase, Trypsinogen, Procarboxypeptidase
(4) Amylase, Peptidase, Trypsinogen, Rennin

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Q.7 The enzyme that is not present in succus entericus is [AIPMT 2015]

(1) nucleosidase (2) lipase
(3) maltase (4) nuclease.

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Q.8 Gastric juice of infants contains [AIPMT 2015 (Cancelled)]

(1) pepsinogen, lipase, rennin
(2) amylase, rennin, pepsinogen
(3) maltase, pepsinogen, rennin
(4) nuclease, pepsinogen

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Q.9 The initial step in the digestion of milk in humans is carried out by [AIPMT 2014]

(1) lipase (2) trypsin (3) rennin (4) pepsin.

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Q.10 A healthy person eats the following diet – 5 g raw sugar, 4 g albumin, 10 g pure buffalo ghee adulterated with 2 g vegetable ghee (hydrogenated vegetable oil) and 5 g lignin. How many calories he is likely to get? [NEET 2013 (Karnataka)]

(1) 126 (2) 164 (3) 112 (4) 144

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Q.11 Which enzymes are likely to act on the baked potatoes eaten by a man, starting from the mouth and as it moves down the alimentary canal? [NEET 2013 (Karnataka)]

(1) Pancreatic amylase ⟶ Salivary amylase ⟶ Lipases
(2) Disaccharidase like maltase ⟶ Lipases ⟶ Nucleases
(3) Salivary amylase ⟶ Pancreatic amylase ⟶ Disaccharidases
(4) Salivary maltase ⟶ Carboxy peptidase ⟶ Trypsinogen

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Q.12 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 [AIPMT 2011 (Prelims)]

(1) epiglottis (2) diaphragm
(3) neck (4) tongue

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Q.13 Which one of the following enzymes carries out the initial step in the digestion of milk in humans? [AIPMT 2011 (Prelims)]

(1) Trypsin (2) Pepsin
(3) Rennin (4) Lipase

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Q.14 If for some reason the parietal cells of the gut epithelium become partially non-functional, what is likely to happen? [AIPMT 2010 (Mains)]

(1) The pancreatic enzymes and specially the trypsin and lipase will not work efficiently.
(2) The pH of stomach will fall abruptly.
(3) Steapsin will be more effective.
(4) Proteins will not be adequately hydrolysed by pepsin into proteoses and peptones.

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Q.15 Which one of the following pairs of food components in humans reaches the stomach totally undigested? [AIPMT 2009]

(1) Starch and fat (2) Fat and cellulose
(3) Starch and cellulose (4) Protein and starch

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Q.16 Which one of the following is the correct matching of the site of action on the given substrate, the enzyme acting upon it and the end product? [AIPMT 2008]

(1) Small intestine : Proteins $\xrightarrow{\text{Pepsin}}$ amino acids
(2) Stomach : Fats $\xrightarrow{\text{Lipase}}$ micelles
(3) Duodenum : Triglycerides $\xrightarrow{\text{Trypsin}}$ monoglycerides
(4) Small intestine : Starch $\xrightarrow{\alpha\text{-Amylase}}$ disaccharide (maltose)

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Q.17 The richest sources of vitamin B_{12} are [AIPMT 2004]

(1) goat's liver and *Spirulina*
(2) chocolate and green gram
(3) rice and hen's egg
(4) carrot and chicken's breast.

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Q.18 Hydrolytic enzymes which act at low pH are called [AIPMT 2002]

(1) proteases (2) α-amylases
(3) hydrolases (4) peroxidases.

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Q.19 In mammals milk is digested by the action of [AIPMT 2000]

(1) rennin (2) amylase
(3) intestinal bacteria (4) invertase

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Q.20 A person is eating boiled potato; his food contains the component [AIPMT 2000]

(1) cellulose which is digested by cellulase
(2) starch which is not digested
(3) lactose which is not digested
(4) DNA which can be digested by pancreatic DNase

Scan or tap for the full solution

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	**4**	**2**	**3**	**3**	**2**	**3**	**4**	**1**	**3**	**4**	**3**
Ques.	12	13	14	15	16	17	18	19	20		
Ans.	**1**	**3**	**4**	**2**	**4**	**1**	**1**	**1**	**4**		