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NEET DIGESTION AND ABSORPTION — ABSORPTION OF DIGESTED PRODUCTS — PYQS

Max. Marks: 32 **Questions:** 8

Section A (MCQ) — 8 questions

Q.1 Given below are two statements:
Statement-I: Fatty acids and glycerols cannot be absorbed into the blood.
Statement-II: Specialized lymphatic capillaries called lacteals carry chylomicrons into lymphatic vessels and ultimately into the blood.

In the light of the above statements, choose the most appropriate answer from the options given below: [NEET (UG) 2022]

(1) Both Statement-I and Statement-II are correct
(2) Both Statement-I and Statement-II are incorrect
(3) Statement-I is correct but Statement-II is incorrect
(4) Statement-I is incorrect but Statement-II is correct

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Q.2 Fructose is absorbed into the blood through mucosa cells of intestine by the process called [AIPMT 2014]

(1) active transport
(2) facilitated transport
(3) simple diffusion
(4) co-transport mechanism.

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Q.3 Select the correct match of the digested products in humans given in **column I** with their absorption site and mechanism in **column II**. [NEET 2013]

(1)

Column I	Column II
Glycerol, fatty acids	Duodenum, move as chylomicrons

(2)

Column I	Column II
Cholesterol, maltose	Large intestine, active absorption

(3)

Column I	Column II
Glycine, glucose	Small intestine, active absorption

(4)

Column I	Column II
Fructose, Na^+	Small intestine, passive absorption

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Q.4 Carrier ions like Na^+ facilitate the absorption of substances like [AIPMT 2010 (Prelims)]

(1) amino acids and glucose
(2) glucose and fatty acids
(3) fatty acids and glycerol
(4) fructose and some amino acids

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Q.5 Which one of the following statements is true regarding digestion and absorption of food in humans? [AIPMT 2009]

(1) Fructose and amino acids are absorbed through intestinal mucosa with the help of carrier ions like Na^+.
(2) Chylomicrons are small lipoprotein particles that are transported from intestine into blood capillaries.
(3) About 60% of starch is hydrolysed by salivary amylase in our mouth.
(4) Oxyntic cells in our stomach secrete the proenzyme pepsinogen.

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Q.6 Epithelial cells of the intestine involved in food absorption have on their surface [AIPMT 2005]

(1) pinocytic vesicles (2) microvilli
(3) zymogen granules (4) phagocytic vesicles.

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Q.7 During prolonged fasting, in what sequence are the following organic compounds used up by the body? [AIPMT 2003]

(1) First carbohydrates, next fats and lastly proteins
(2) First fats, next carbohydrates and lastly proteins
(3) First carbohydrates, next proteins and lastly lipids
(4) First proteins, next lipids and lastly carbohydrates

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Q.8 Which one of the following is correctly matched? [AIPMT 2001]

(1) Vitamin E – Tocopherol
(2) Vitamin D – Riboflavin
(3) Vitamin B – Calciferol
(4) Vitamin A – Thiamine

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	**1**	**2**	**3**	**1**	**1**	**2**	**1**	**1**			