#### **AIPMT 2007**

- **1.** Which one of the following is a fat-soluble vitamin and its related deficiency disease?
  - (1) Calciferol
- Pellagra
- (2) Ascorbic acid
- Scurvy
- (3) Retinol
- Xerophthalmia
- (4) Cobalamine
- Beri-beri

#### **AIPMT 2008**

- **2.** 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?
  - (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)

- **3.** What will happen if the secretion of parietal cells of gastric glands is blocked with an inhibitor?
  - (1) In the absence of HCl secretion, inactive pepsinogen is not converted into the active enzyme pepsin
  - (2) Enterokinase will not be released from the duodenal mucosa and so trypsinogen is not converted to trypsin
  - (3) Gastric juice will be deficient in chymosin
  - (4) Gastric juice will be deficient in pepsinogen

#### **AIPMT 2009**

- **4.** Which one of the following pairs of food components in humans reaches the stomach totally undigested?
  - (1) Starch and cellulose
  - (2) Protein and starch
  - (3) Starch and fat

- 5. A young infant that feed entirely on mother's milk which is white in colour but the stools which the infant passes out is quite yellowish. This yellow colour due to?
  - (1) Pancreatic juice poured into duodenum
  - (2) Intestinal juice
  - (3) Bile pigments passed through bile juice
  - (4) Undigested milk protein casein

### **AIPMT 2014**

- **6.** The initial step in the digestion of milk in humans is carried out by?
  - (1) Lipase
- (2) Trypsin
- (3) Rennin
- (4) Pepsin

#### **AIPMT 2015**

- **7.** Gastric juice of infants contains :-
  - (1) nuclease, pepsinogen, lipase
  - (2) pepsinogen, lipase, rennin
  - (3) amylase, rennin, pepsinogen
  - (4) maltase, pepsinogen, rennin

#### **NEET-I 2016**

- **8.** In the stomach, gastric acid is secreted by the-
  - (1) gastrin secreting cells
- (2) parietal cells
- (3) peptic cells
- (4) acidic cells
- **9.** Which of the following guards the opening of hepatopancreatic duct into the duodenum?
  - (1) Semilunar valve
- (2) Ileocaecal valve
- (3) Pyloric sphincter
- (4) Sphincter of Oddi

#### **NEET-II 2016**

- **10.** Which hormones do stimulate the production of pancreatic juice and bicarbonate?
  - (1) Cholecystokinin and secretin
  - (2) Insulin and glucagon
  - (3) Angiotensin and epinephrine
  - (4) Gastrin and insulin

#### NEET(UG) 2017

- **11.** Which cells of "Crypts of Lieberkuhn" secrete antibacterial lysozyme?
  - (1) Paneth cells
- (2) Zymogen cells
- (3) Kupffer cells
- (4) Argentaffin cells

- **12.** The hepatic portal vein drains blood to liver from :
  - (1) Stomach
- (2) Kidneys
- (3) Intestine
- (4) Heart
- **13.** 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?
  - (1) Canines
- (2) Pre-molars
- (3) Molars
- (4) Incisors
- **14.** Which of the following options best represents the enzyme composition of pancreatic juice?
  - (1) amylase, pepsin, trypsinogen, maltase
  - (2) peptidase, amylase, pepsin, rennin
  - (3) lipase, amylase, trypsinogen, procarboxypeptidase
  - (4) amylase, peptidase, trypsinogen, rennin

## **NEET (UG) 2018**

- **15.** Which of the following terms describe human dentition?
  - (1) Thecodont, Diphyodont, Homodont
  - (2) Thecodont, Diphyodont, Heterodont
  - (3) Pleurodont, Monophyodont, Homodont
  - (4) Pleurodont, Diphyodont, Heterodont
- **16.** Which of the following gastric cells indirectly help in erythropoiesis?
  - (1) Chief cells
- (2) Mucous cells
- (3) Goblet cells
- (4) Parietal cells

## NEET (UG) 2019

- **17.** Identify the cells whose secretion protects the lining of gastro-intestinal tract from various enzymes:-
  - (1) Chief Cells
- (2) Goblet Cells
- (3) Oxyntic Cells
- (4) Duodenal Cells
- **18.** Match the following structures with their respective location in organs :
  - (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) (iv)

(iii)

- (1) (iii) (2) (ii)
- (i) (iv)
- (ii) (i)
- (3) (iii) (iv)
- (i) (ii)
- (4) (iii) (ii) (iv)

## NEET (UG) 2019 (ODISHA)

**19.** Match the items given in column I with those in column II and choose the correct option :

## Column-I

## Column-II

- (a) Rennin
- (i) Vitamin B<sub>12</sub>
- (b) Enterokinase(c) Oxyntic cells
- (ii) Facilitated transport
- (d) Emistose
- (iii) Milk proteins(iv) Trypsinogen
- (d) Fructose (1) a-iii, b-iv, c-ii, d-i
  - (2) a-iv, b-iii, c-i, d-ii
- (3) a-iv, b-iii, c-ii, d-i
- (4) a-iii, b-iv, c-i, d-ii
- **20.** Kwashiorkor disease is due to :-
  - (1) Simultaneous deficiency of proteins and fats
  - (2) Simultaneous deficiency of proteins and calories
  - (3) Deficiency of carbohydrates
  - (4) Protein deficiency not accompanied by calorie deficiency

## **NEET (UG) 2020**

- **21.** Goblet cells of alimentary canal are modified from :
  - (1) Compound epithelial cells
  - (2) Squamous epithelial cells
  - (3) Columnar epithelial cells
  - (4) Chondrocytes
- **22.** The enzyme enterokinase helps in conversion of :-
  - (1) pepsinogen into pepsin
  - (2) protein into polypeptides
  - (3) trypsinogen into trypsin
  - (4) caseinogen into casein
- **23.** Identify the **correct** statement with reference to human digestive system.
  - (1) Vermiform appendix arises from duodenum
  - (2) Ileum opens into small intestine
  - (3) Serosa is the innermost layer of the alimentary canal
  - (4) Ileum is highly coiled part

## NEET (UG) 2020 (COVID-19)

- **24.** Intrinsic factor that helps in the absorption of vitamin B<sub>12</sub> is secreted by :-
  - (1) Goblet cells
  - (2) Hepatic cells
  - (3) Oxyntic cells
  - (4) Chief cells
- **25.** The proteolytic enzyme rennin is found in :
  - (1) Intestinal juice
- (2) Bile juice
- (3) Gastric juice
- (4) Pancreatic juice

## **NEET (UG) 2021**

- **26.** Succus entericus is referred to as :
  - (1) Pancreatic juice
  - (2) Intestinal juice
  - (3) Gastric juice
  - (4) Chyme
- **27.** Sphincter of Oddi is present at:
  - (1) Ileo-caecal junction
  - (2) Junction of hepato-pancreatic duct and duodenum
  - (3) Gastro-oesophageal junction
  - (4) Junction of jejunum and duodenum

## NEET(UG) 2022

- **28.** Which of the following functions is **not** performed by secretions from salivary glands?
  - (1) Digestion of complex carbohydrates
  - (2) Lubrication of oral cavity
  - (3) Digestion of disaccharides
  - (4) Control bacterial population in mouth

**29.** 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:

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

## **NEET (UG) 2022**

- **30.** Role of enamel is to:
  - (1) Connect crown of tooth with its root.
  - (2) Masticate the food.
  - (3) Form bolus.
  - (4) Give basic shape to the teeth.
- **31.** Choose the incorrect enzymatic reaction:
  - (1) Maltose  $\xrightarrow{\text{Maltase}}$  Glucose + Galactose
  - (2) Sucrose  $\xrightarrow{\text{Sucrase}}$  Glucose + Fructose
  - (3) Lactose  $\xrightarrow{\text{Lactase}}$  Glucose + Galactose
  - (4) Dipeptides Dipeptidases → Amino acids

# EXERCISE-II (Previous Year Questions)

## **ANSWER KEY**

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Answer	3	4	1	4	3	3	2	2	4	1	1	3	2	3	2
Question	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Answer	4	2	3	4	4	3	3	4	3	3	2	2	3	4	2
Ouestion	31		•		•	•	•	•		•					•

Answer 1

## **EXERCISE-III (A) (NCERT BASED QUESTIONS)**

- 1. Select the incorrect statements :-
  - (a) alimentary canal begins with an anterior cavity called buccal cavity.
  - (b) tooth is embedded in a socket of mandible bone only.
  - (c) human shows strict diphyodont type of dentition.
  - (d) oesophagus and the trachea open into the pharynx.
  - (1) a, b, c & d
- (2) a, b & c
- (3) a, c & d
- (4) a, b & d
- **2**. The oesophagus is a thin, long tube which extends \_\_\_\_ passing through the neck.
  - (1) Anteriorly
- (2) Posteriorly
- (3) Horizontally
- (4) Obliquely
- 3. In human \_\_\_\_\_ is a small blind sac, which hosts some symbiotic micro-organism.
  - (1) Caecum
- (2) Colon
- (3) Rumen
- (4) All of these
- **4.** Select the correct structural sequence of alimentary canal facing from inside to outside.
  - (1) Serosa  $\rightarrow$  Muscularis  $\rightarrow$  Submucosa  $\rightarrow$  Mucosa
  - (2) Muscularis → Serosa → Mucosa → Submucosa
  - (3) Mucosa → Submucosa → Muscularis → Serosa
  - (4) Submucosa → Mucosa → Muscularis → Serosa
- 5. All of the following are correct with respect to intestine of human except.
  - (1) Colon having ascending, descending and transverse part.
  - (2) Duodenum is C-shaped structure
  - (3) Pouches are present all along the length of intestine.
  - (4) Highly developed villi is restricted to small intestine.

- **6**. Select the correct statements.
  - (a) Salivary glands situated just outside the buccal cavity.
  - (b) Liver is the largest digestive gland.
  - (c) Hepatic duct not arise from gall bladder.
  - (d) Sphincter of Oddi can regulate the release of pancreatic and bile juice in duodenum.
  - (1) a, b, c & d
- (2) a, b & d
- (3) b, c & d
- (4) a, b & c
- 7. The process of digestion is accomplished by:-
  - (1) Mechanical process
  - (2) Chemical process
  - (3) Electrical process
  - (4) Both 1 & 2
- **8**. Which of the following helps in lubricating and adhering the masticated food particles into a bolus?
  - (1) Salivary amylase
  - (2) Mucous
  - (3) Secretion of lachrymal gland
  - (4) Gastric juice
- **9.** Which of the following electrolytes is/are present in saliva of human?
  - (1) Na+
- $(2) K^{+}$

(3) Cl<sup>-</sup>

- (4) above all
- **10**. Select the correct statements.
  - (1) Trypsinogen  $\xrightarrow{\text{Chymotrypsin}}$  Trypsin
  - (2) Procarboxypeptidase Pepsin → carboxypeptidase
  - (3) Proamylase  $\xrightarrow{\text{Ptylin}}$  Amylase
  - (4) Pepsinogen  $\xrightarrow{\text{HCl}}$  Pepsin
- **11**. Select the odd with respect to enzymes present in adult human.
  - (1) Rennin
- (2) Renin
- (3) Trypsin
- (4) Pepsin
- **12**. Which of the following is not produced by the brush border cells of the intestinal mucosa.
  - (1) Dipeptidases
- (2) Nucleosidases
- (2) Lipases
- (4) Steapsin

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- **13**. All of the following is correct with reference to large intestine except.
  - (1) No significant digestive activity.
  - (2) Absorption of some water
  - (3) Absorption of certain minerals.
  - (4) Absorption of remaining glucose and amino acid.
- **14.** In which of the following disease liver is affected, skin and eyes turn yellow due to the deposition of bile pigments.
  - (1) Vomiting
- (2) Jaundice
- (3) Diarrhoea
- (4) Dysentery

## **EXERCISE-III (B) (ANALYTICAL QUESTIONS)**

**15.** Match the following:

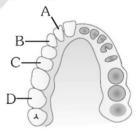
Column-I	Column-II
(A) Salivary gland	(i) Trypsinogen
(B) Stomach	(ii) Bile pigments
(C) Pancreas	(iii) Saliva
(D) Intestine	(iv) Erepsin
(E) Gall bladder	(v) Gastric juice

- (1) A-v, B-iii, C-i, D-ii, E-iv
- (2) A-iii, B-v, C-i, D-iv, E-ii
- (3) A-iv, B-iii, C-ii, D-i, E-v
- (4) A-ii, B-v, C-i, D-ii, E-iv
- **16.** Find out the correct match from the following table:-

	Column-I	Column-II	Column-Ill
A	Goblet	Mucus	Prevent
	cells		mucosa layer
			from damage
			of HCl
В	Lysozyme	Saliva	Antibacterial
			agent
C	Saliva	Submaxillary	Secrete
M		gland	salivary
			amylase
D	Chief	HCl	Stimulate
	cells		gastric lipase

- (1) Only 'A'
- (2) A and B
- (3) Only C
- (4) C and D

- **17.** Which of the following statements is/are incorrect regarding digestion and absorption of food in human beings:-
  - (a) About 90% of starch is hydrolysed by salivary amylase in our oral cavity
  - (b) Mucus cells in our stomach secrete the proenzyme trypsinogen
  - (c) Vitamin-D is produced in human body in skin
  - (d) Bile salts act as activator of pancreatic lipase
  - (1) Two, a and b
- (2) Two, a and c
- (3) Two, a and d
- (4) Three, a, b and d
- **18.** Largest internal organ of the body is :-
  - (1) Skin
- (2) Liver
- (3) Pancreas
- (4) Small intestine
- **19.** Identify A, B, C and D and choose correct option regarding their number in upper jaw:-



	A B		С	D
(1)	Incisor-2	Canine-2	Premolar-2	Molar-3
(2)	Incisor-4	Canine-4	Premolar-8	Molar-12
(3)	Incisor-4	Canine-2	Premolar-4	Molar-6
(4)	Incisor-2	Canine-1	Premolar-2	Molar-3

**20.** Identify the correct match from the column I, II and III.

Epitori, phichigaptics, suppressive											
(	Column-I	C	olumn-II	Column-lll							
A	Salivary gland	a	Lacteal	i	Emulsification of fat						
В	Villi	b	Goblet cells	ii	One pair						
С	Intestinal epithelium	С	Bile juice	iii	Absorption of fat						
D	Liver	d	Sub maxillary gland	iv	Mucous						

- (1) A-d-i, B-a-iii, C-b-iv, D-c-ii
- (2) A-d-ii, B-a-iii, C-b-iv, D-c-i
- (3) A-a-ii, B-d-iv, C-b-iii, D-c-i
- (4) A-b-i, B-a-ii, C-c-iii, D-d-iv
- **21.** Read the following statements (A-D)
  - (A) The stomach stores the food for 4-5 hours
  - (B) The food mixes thoroughly with the acidic intestinal juice
  - (C) Trypsinogen is activated by an enzymeenterogastrone, secreted by the intestinal mucosa
  - (D) Renin is enzyme found in gastric juice of infants which helps in digestion of milk protein

How many of the above statements are wrong?

- (1) Four
- (2) One
- (3) Two
- (4) Three
- **22.** Conversion of large fat globules into smaller globule is:-
  - (1) Emulsification
- (2) Digestion
- (3) Assimilation
- (4) Specification
- **23.** Micelle formation occurs in :-
  - (1) Enterocyte
- (2) Duodenum
- (3) Lacteals
- (4) Pancreas
- **24.** Chymotrypsinogen is produced by
  - (1) Liver
- (2) Pancreas
- (3) Stomach
- (4) Duodenum
- **25.** Which of the following statement is not incorrect
  - (a) Human digestive system consists of alimentary canal only
  - (b) Oral cavity has a number of teeth & muscular tongue
  - (c) Mouth leads to pharynx
  - (d) Humans have incomplete alimentary canal
  - (1) a & b
- (2) b & c
- (3) b only
- (4) a, b and c
- **26.** The longitudinal mucosal folds of inner wall of stomach are called :
  - (1) Papilla of vater
- (2) Rugae
- (3) Villi
- (4) Fissure

- 27. Gastric rugae are found in
  - (1) Kidney
- (2) Liver
- (3) Nephron
- (4) Stomach
- **28.** Trypsinogen is:
  - (1) Hormone secreted by mucosa
  - (2) Enzyme secreted by mucosa
  - (3) Inactive enzyme secreted by pancreas
  - (4) Secreted by endocrine gland related to digestion
- **29.** Part of bile juice useful in digestion is:
  - (1) Bile salt
- (2) Bile pigment
- (3) Bile matrix
- (4) All of them
- **30.** From which of the following pepsin is secreted:
  - (1) Lungs
- (2) Stomach
- (3) Salivary gland
- (4) Sebaceous gland
- **31.** Given below are two statements:

**Statement-I**: Glucose, amino acids and Na<sup>+</sup> are absorbed from intestine into blood by active transport.

**Statement-II**: Absorption of glucose & amino acids never occurs by simple diffusion.

In the light of the above statements, choose the most appropriate answer from the options given below:

- (1) Both Statement-I and II both are incorrect.
- (2) Statement-I is correct but statement-II is incorrect.
- (3) Both Statement-I and II both are correct.
- (4) Statement-I is incorrect but statement-II is correct.
- **32.** Prorennin is secreted by :
  - (1) Zymogen cells
- (2) Sertoli cells
- (3) Islets of Langerhans (4) Hepatocytes
- **33.** Find out the correctly matched pair :
  - (1) Pepsinogen  $\rightarrow$  Zymogenic cells
  - (2)  $HCl \rightarrow Goblet cells$
  - (3) Mucus  $\rightarrow$  Oxyntic cells
  - (4) Pancreatic juice  $\rightarrow$  Salivary glands
- **34.** Among mammals, a significant role in the digestion of milk is played by:
  - (1) Rennin
  - (2) Invertase
  - (3) Amylase
  - (4) Intestinal bacteria

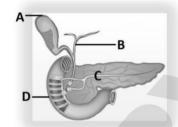
- 35. pH of gastric juice is:
  - (1) 2
- (2)4
- (3)6
- (4)8
- 36. Given below are two statements:

Statement-I: In wall of alimentary canal, serosa is outermost layer made of thin mesothelium.

Statement-II: Muscularis layer in stomach has outer circular muscle and inner longitudinal muscle.

In the light of the above statements, choose the most appropriate answer from the options given below:

- (1) Both Statement-I and II both incorrect.
- (2) Statement-I is correct but statement-II is incorrect.
- (3) Statement-I is incorrect but statement-II is correct.
- (4) Both Statement-I and II both are correct.
- 37. Identify A, B, C and D in the diagram given below:



	A	В	С	D
(1)	Gall bladder	Cystic duct	Pancreas	Duodenum
(2)	Gall bladder	Hepatic duct	Pancreas	Duodenum
(3)	Liver	Hepatic duct	Pancreas	Duodenum
(4)	Gall bladder	Common bile duct	Pancreas	Duodenum

- 38. The organ in human body where Brunner's glands are present?
  - (1) Large intestine
- (2) Small intestine
- (3) Liver
- (4) Kidney
- 'Crypts of Lieberkuhn' are found in: 39.
  - (1) Gall bladder
- (2) Liver
- (3) Pancreas
- (4) Intestinal wall

- 40. Glisson's capsule is associated with:
  - (1) Liver
- (2) Pancreas
- (3) Lungs
- (4) Kidney
- 41. The main digestive function of enterokinase is:
  - (1) Conversion of pepsinogen into pepsin
  - (2) Conversion of trypsinogen into trypsin
  - (3) Conversion of trypsin into trypsinogen
  - (4) Stimulation of the gastric glands to secrete gastric juice
- 42. Castle intrinsic factor helps in absorption of
  - (1) Vitamin  $B_{12}$
- (2) Vitamin B<sub>6</sub>
- (3) Vitamin A
- (4) Vitamin C
- Pancreatic juice contain bicarbonate which is 43. secreted by:
  - (1) Paneth cells
- (2) Goblet cell
- (3) Kupffer's cell
- (4) Aciner cell
- 44. Identify the false statement:
  - (1) Oesophagus does not secrete any enzyme
  - (2) Gall bladder concentrate bile juice
  - (3) Human teeth are thecodont
  - (4) There are two pairs of salivary glands in humans
- 45. Pepsinogen is activated by
  - (1) Castle intrinsic factor
  - (2) HCl
  - (3) Bile juice
  - (4) Enterokinase
- 46. Find out the correct match:

## Column I

#### Column II

- A. Hepatic lobule
- i. Submucosal glands
- B. Brunner's glands ii. Base of villi
- C. Crypts of
- iiii. Glisson's capsule
- Lieberkuhn
- D. Sphincter of Oddi iv. Gall bladder
- E. Cystic duct
- Hepatopancreatic
  - duct
- vi. Serous glands

A	В	C	D	E

- (1) iii iv vi ii v
- (2) iii i V ii vi
- i iii ii V iv
- (4)iv vi ii i V

- **47.** Which an organ is affected in jaundice?
  - (1) Stomach
  - (2) Pancreas
  - (3) Liver
  - (4) Parotid glands
- **48.** Given below are two statements:

**Statement-I**: Salivary glands are situated inside buccal cavity & secrete salivary juice into it.

**Statement-II**: Saliva is mainly produced by parotid, sub maxillary and sub lingual glands. In the light of the above statements, choose the most appropriate answer from the options given below:

- (1) Statement-I is incorrect but statement-II is correct.
- (2) Both Statement-I and II both are incorrect.
- (3) Both Statement-I and II both are correct.
- (4) Statement-I is correct but statement-II is incorrect.
- **49.** Identify the false statement?
  - (1) Bile is secreted by liver
  - (2) Stomach is divided into two parts
  - (3) Parietal cell lie in wall of stomach
  - (4) Liver is the largest gland of human body
- **50.** Given below are two statements; one is labelled as **Assertion (A)** and the other is labelled as **Reason(R)**.

**Assertion (A):** Maximum absorption of digested food takes place in small intestine due to enormously increased surface area.

**Reason (R)**: Mucosa layer forms villi in intestine which has numerous microscopic projections called microvilli.

In the light of the above statements, choose the **most appropriate** answer from the options given below:

- (1) If (A) & (R) both are correct but (R) is not the correct explanation of (A).
- (2) (A) is correct but (R) is incorrect.
- (3) (A) is incorrect but (R) correct.
- (4) If (A) & (R) both are correct and (R) is the correct explanation of (A).
- **51.** Which one is correct about the "rennin"?
  - (1) It helps in digestion of milk-sugar.
  - (2) It is found in gastric juice of adult human.
  - (3) It is proteolytic enzyme found in saliva.
  - (4) It is found in gastric juice of infants.
- **52.** Kwashiorkar disease is due to deficiency of:
  - (1) Protein
- (2) Fat
- (3) Sugar
- (4) Hormone
- **53.** Carbohydrate digestion occurs first in which structure?
  - (1) Mouth
- (2) Intestine
- (3) Stomach
- (4) None of these
- **54.** Enzyme pepsin acts in :
  - (1) Acidic medium in the pancreas
  - (2) Acidic medium in the stomach
  - (3) Intestine
  - (4) Mouth
- **55.** Bile secretion is proportional to the concentration of :
  - (1) Protein
- (2) Fat
- (3) Carbohydrate
- (4) None of these
- **56.** Protein deficiency leads to :
  - (1) Kwashiorkar
  - (2) Marasmus
  - (3) Cretinism
  - (4) Both (1) and (2)
- **57.** Defect of which cells leads to pernicious anaemia?
  - (1) Chief-cells
  - (2) Oxyntic cells
  - (3) Mast cells
  - (4) Peptic cells

- **58.** In mammals the teeth are
  - (a) of different types
  - (b) embedded in the cuplike socket in the jaw bones
  - (c) two sets present throughout life The condition are referred as:
  - (1) Heterodont, thecodont, diphyodont
  - (2) Thecodont, heterodont, diphyodont
  - (3) Diphyodont, the codont, heterodont
  - (4) Heterodont, diphyodont, the codont

- **59.** Which of the following process will be affected by the absence of enterokinase?
  - (1) Lipid  $\rightarrow$  Fatty acid + glycerol
  - (2) Dipeptides  $\rightarrow$  Amino acid
  - (3) Proteoses  $\rightarrow$  Dipeptide
  - (4) Amylose → Maltose
- **60.** Gastric juice contains :-
  - (1) HCl, Pepsinogen, Lipase
  - (2) Amylase, Dipeptidase, Lipase
  - (3) Trypsinogen, Pepsin, Rennin
  - (4) Chymotrypsinogen, Nucleases, Lipase

Exercise - III ANSWER KEY											KEY				
Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Answer	2	2	1	3	3	1	4	2	4	4	1	4	4	2	2
Question	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Answer	2	1	2	3	2	4	1	2	2	3	2	4	3	1	2
Question	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Answer	2	1	1	1	1	2	2	2	4	1	2	1	4	4	2
Question	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Answer	3	3	1	2	4	4	1	1	2	2	4	2	1	3	1