

Time : 1 hour 15 Minute

STD 11 Science Biology  
chapter Based Test

Total Marks : 40

## SECTION A

\* Choose The Right Answer From The Given Options.[1 Marks Each] [5]

- Which one of the following vitamin can be synthesized by bacteria inside the gut?  
(A) B1 (B) C (C) D (D) K
- Brunner's glands occur in:  
(A) Sub-mucosa of duodenum. (B) Sub-mucosa of stomach.  
(C) Mucosa of oesophagus. (D) Mucosa of ileum.
- Pepsin is produced by:  
(A) Salivary glands (B) Stomach  
(C) Duodenum (D) Small intestine
- Sweetest sugar is:  
(A) Fructose (B) Sucrose (C) Glucose (D) Lactose
- Removal of stomach causes:  
(A) Dumping syndrome (B) Turner's syndrome  
(C) Emphysema (D) None of the above

\* Answer The Following Questions In One Sentence.[1 Marks Each] [6]

- Correct the statement given below by the right option shown in the bracket against them.  
Skin and eyes turn yellow in infection (liver/ stomach).
- State the conditions on which the transport of water depends.
- Mention the part of the alimentary canal, which helps in eliminating the unabsorbed food.
  - How is the exit of waste material regulated?
- How will you define 1 joule?
- List the final products obtained after digestion of carbohydrates and proteins.
- What is gross calorific value of food?

## SECTION B

\* Given Section consists of questions of 2 marks each. [10]

- Correct the following statements by deleting one of the options (given in bracket).
  - Gastric glands of stomach mucosa have (oxyntic cell/ chief cells) which secrete HCl.

ii. Saliva contains enzymes that digest (starch/ protein).

2. What are the symptoms of kwashiorkor?
3. How our gut lining is protected from its own secretion of proteases?
4. It is absolutely not necessary to produce amylase in an inactive form in our body, but it is not so, in the case of trypsin. Give reason.
5. How is the nucleic acid fraction of our food digested?

**SECTION C**

\* Given Section consists of questions of 3 marks each.

[9]

1. Answer briefly:  
What are the basic layers of the wall of alimentary canal?
2. What are three major types of cells found in the gastric glands? Name their secretions.
3. What is the role of gall bladder? What may happen if it stops functioning or is removed?

**SECTION E**

\* Given Section consists of questions of 5 marks each.

[10]

1. What would happen if HCl were not secreted in the stomach?
2. As a result of intestinal disease, parts of the alimentary-canal are sometimes surgically removed. Discuss the effect of this removal on lifestyle and digestive function.
  - i. Stomach.
  - ii. Colon.

॥ ज्ञानं एव श्रमस्य पुंजः ॥