



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY
Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - IV

Subject : PHYSIOLOGY

Paper : C 9-T

Gastrointestinal Functions

Full Marks : 40

Time : 2 Hours

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Group-A

Answer any **four** of the following questions :

5×4=20

1. Describe the mechanism of carbohydrate absorption in our body. 5
2. What is steatorrhea? Discuss the mechanism for regulation of pancreatic secretion. 1+4
3. Compare liver bile and gall bladder bile. Describe in brief the movements of small intestine. 1+4
4. What is chylomicron? Discuss the role of bile salts in fat digestion. 2+3
5. State the location and function of cardiac sphincter. Write down the role of salivary glands in GI functions. 2+3
6. What is motilin? Describe the function of CCK-PZ in our body. 2+3

P.T.O.

Group-B

Answer any *two* of the following questions :

10×2=20

7. Differentiate between GIP and VIP. Discuss the regulation and functions of gastrin secretion in human. 2+(3+5)
8. Name the different pro-enzymes secreted in pancreatic juice. State the role of exocrine pancreas in GI function. 2+8
9. Describe the modern concept of gastric HCl Secretion. Mention the phases of gastric juice secretion with experimental evidences. 4+3+3
10. Briefly discuss the process of absorption of water soluble vitamins in our body. State the mechanism of digestion of conjugated proteins. 5+5