



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 4th Semester Examination, 2021

CC9-PHYSIOLOGY

Full Marks: 40

ASSIGNMENT

*The questions are of equal value.
The figures in the margin indicate full marks.*

Attempt any two from the following

20×2 = 40

1. (a) What is pancreatitis? Discuss the mechanism of absorption of fat in the gastrointestinal tract. Give an account of the composition, formation and functions of bile. 2+3+5
- (b) Briefly describe the digestion of carbohydrates in alimentary canal. 10
2. (a) How are proteolytic enzymes of pancreas activated? State the functions of pancreatic juice. 3+7
- (b) Name the different phases of pancreatic secretion and their regulation. 10
3. (a) What is the composition of the saliva? How is it affected as it flows through the salivary ducts? What are the salivary enzymes and what are their functions? 3+3+4
- (b) Enumerate the functions of saliva. 10
4. (a) Name the gastrointestinal hormones. Discuss how they are involved in influencing different exocrine secretions of the gastrointestinal tract. 3+7
- (b) State the role of mucus in the protection of epithelial cell lining of stomach. What are the different organic compounds present in pancreatic juice? What are Brunner's gland and Peyer's patches? State their functions. 4+2+2+2

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