



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 4th Semester Examination, 2020

PHYACOR09T-PHYSIOLOGY (CC9)

GASTROINTESTINAL FUNCTION

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

Answer any five questions from the following

8×5 = 40

1. (a) What do you mean by bile salt? Give example. 2
(b) Why bile salts are called biological detergent? 2
(c) Describe the different types of movements of intestine. 4
2. (a) Why does our stomach not digest itself by the secreted HCl? 2
(b) Describe the mechanism of HCl secretion. 4
(c) What is achlorhydria ? 2
3. (a) What is peptic ulcer? 2
(b) What is Pavlov's pouch? 2
(c) Describe the process of carbohydrate digestion in alimentary system? 4
4. (a) What do you mean by chime and chyle? 2
(b) What is post prandial alkaline tide? 2
(c) Write the location and functions of the following: 4
(i) Kupffer cell (ii) G cell
(iii) Goblet cell (iv) Peyer's patch
5. (a) Distinguish between liver bile and gall bladder bile. 4
(b) Describe the function of salivary juice. 4
6. (a) What is jaundice? 2
(b) State the difference between endopeptidase and exopeptidase. 2

- (c) State how the following enzymes become active and do their function in digestion of specific food: 4
- (i) Pepsin (ii) Trypsin
(iii) Chymotrypsin (iv) Carboxypeptidase
7. (a) What is enterohepatic circulation? 2
(b) How gastric secretion is regulated in stomach? 6
8. (a) What is sham feeding? 2
(b) What is gallstones? 2
(c) What is GALT? 2
(d) What are Cholagogues? 2

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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