



SUBJECT CODE AND NAME: 1131 – BASIC SCIENCES – PHYSIOLOGY

UNIT 5: DIGESTIVE, EXCRETORY AND REPRODUCTIVE SYSTEM

Reference: The Tamilnadu Dr.M.G.R Medical University Pervious Year Question Papers

I. Elaborate On:

10 marks

S.No	Questions	Reference	Bloom's Taxonomy
1	Explain the physiology of the gastrointestinal tract, including digestion in mouth, stomach, and intestine with diagrams.	(Feb 2020)	Analyze
2	Describe the process of food absorption in the small intestine and its mechanisms.	(Aug 2016)	Analyze
3	Explain gastric emptying, its regulation, and factors affecting it in detail.	(Aug 2016)	Analyze
4	Discuss the role of bile in digestion and absorption of fats, including bile formation and circulation.	(Aug 2016)	Analyze
5	Explain the functions of salivary glands and the physiology of vomiting with clinical significance.	(Mar 2021)	Analyze
6	Describe digestion in the mouth, including enzymes involved and swallowing mechanism.	(Feb 2016)	Analyze
7	Explain digestion and absorption in the stomach, including gastric secretions.	(Aug 2015)	Analyze
8	Discuss intestinal digestion, including pancreatic and intestinal enzymes.	(Aug 2019)	Analyze
9	Explain the overall physiology of GIT and its integration with other systems.	(Nov 2022)	Analyze

II. Write notes on:

5 marks

S.No	Questions	Reference	Bloom's Taxonomy
1	Gastric Emptying.	(Aug 2016)	Understand
2	Role of Bile in digestion.	(Aug 2016)	Understand
3	Functions of salivary glands.	(Feb 2016)	Understand
4	Mechanism of vomiting.	(Mar 2021)	Understand
5	Digestion in the mouth.	(Aug 2015)	Understand
6	Absorption of carbohydrates in intestine.	(Feb 2020)	Understand
7	Gastric secretions and their regulation.	(Aug 2019)	Understand
8	Intestinal motility and its control.	(Nov 2022)	Understand
9	Functions of pancreatic juice in digestion.	(Aug 2016)	Understand
10	Absorption of proteins and fats.	(Feb 2016)	Understand
11	Phases of gastric emptying.	(Aug 2016)	Understand
12	Composition and functions of saliva.	(Mar 2021)	Understand
13	Reflexes involved in vomiting.	(Nov 2023)	Understand



III. Write a short note on:

3 marks

S.No	Questions	Reference	Bloom's Taxonomy
1	Name the layers of GIT.	(Feb 2020)	Remember
2	Functions of bile.	(Aug 2016)	Understand
3	Enzymes in saliva.	(Feb 2016)	Remember
4	Causes of vomiting.	(Mar 2021)	Understand
5	Digestion of carbohydrates in mouth.	(Aug 2015)	Understand
6	Gastric juice composition.	(Aug 2019)	Remember
7	Absorption sites in small intestine.	(Feb 2020)	Remember
8	Role of HCl in stomach.	(Aug 2016)	Understand
9	Functions of salivary amylase.	(Feb 2016)	Understand
10	Factors delaying gastric emptying.	(Aug 2016)	Remember
11	Bile salts and their functions.	(Aug 2016)	Understand
12	Phases of swallowing.	(Mar 2021)	Remember
13	Digestion in large intestine.	(Nov 2022)	Understand
14	Enterohepatic circulation.	(Aug 2016)	Understand
15	Salivary gland disorders.	(Feb 2016)	Remember
16	Absorption of water and electrolytes.	(Feb 2020)	Understand
17	Mechanism of pepsin activation.	(Aug 2015)	Understand
18	Vomiting center in brain.	(Mar 2021)	Remember
19	Role of villi in absorption.	(Aug 2019)	Understand
20	Functions of gastric mucus.	(Nov 2023)	Understand