

PHYSIOLOGY QUESTION BANK – GASTROINTESTINAL SYSTEM (TNMGRMU)

BPT / Allied Health Sciences | University Examination Pattern

1. STRUCTURE AND FUNCTIONS OF GASTROINTESTINAL (GI) SYSTEM

Very Short Answer (2 Marks – Knowledge)

1. Define gastrointestinal system.
2. Name the parts of GI tract.
3. Mention any two functions of GI system.

Short Answer (5 Marks – Understanding)

1. Describe the structure of gastrointestinal system.
2. Explain functions of gastrointestinal system.

Long Answer (10 Marks – Analysis)

1. Describe structure and functions of gastrointestinal system with neat diagram.
-

2. MASTICATION AND DEGLUTITION

Very Short Answer (2 Marks – Knowledge)

1. Define mastication.
2. Define deglutition.

Short Answer (5 Marks – Understanding)

1. Explain mechanism of mastication.
2. Describe stages of deglutition.

Long Answer (10 Marks – Analysis)

1. Describe mastication and deglutition in detail.
-

3. SALIVA – COMPOSITION, FUNCTIONS AND REGULATION

Very Short Answer (2 Marks – Knowledge)

1. Name salivary glands.
2. Mention any two functions of saliva.

Short Answer (5 Marks – Understanding)

1. Describe composition of saliva.
2. Explain functions of saliva.
3. Describe regulation of salivary secretion.

Long Answer (10 Marks – Analysis)

1. Describe saliva – composition, functions and regulation.
-

4. GASTRIC SECRETION

(Composition, Phases of Secretion, Functions)

Very Short Answer (2 Marks – Knowledge)

1. Name components of gastric juice.
2. What is intrinsic factor?

Short Answer (5 Marks – Understanding)

1. Describe composition of gastric juice.
2. Explain phases of gastric secretion.
3. Write functions of gastric juice.

Long Answer (10 Marks – Analysis)

1. Describe gastric secretion – composition, phases and functions.
-

5. PANCREATIC SECRETION

(Composition, Functions, Regulation)

Very Short Answer (2 Marks – Knowledge)

1. Name pancreatic enzymes.
2. What is secretin?

Short Answer (5 Marks – Understanding)

1. Describe composition of pancreatic juice.
2. Explain regulation of pancreatic secretion.

Long Answer (10 Marks – Analysis)

1. Describe pancreatic secretion – composition, functions and regulation.
-

6. BILE – COMPOSITION AND FUNCTIONS

Very Short Answer (2 Marks – Knowledge)

1. Name components of bile.
2. Mention any two functions of bile.

Short Answer (5 Marks – Understanding)

1. Describe composition of bile.
2. Explain functions of bile.

Long Answer (10 Marks – Analysis)

1. Describe bile – composition and functions.
-

7. MOVEMENTS OF SMALL AND LARGE INTESTINE

Very Short Answer (2 Marks – Knowledge)

1. Define peristalsis.
2. What is mass movement?

Short Answer (5 Marks – Understanding)

1. Describe movements of small intestine.
2. Explain movements of large intestine.

Long Answer (10 Marks – Analysis)

1. Describe movements of small and large intestine.
-

8. DIGESTION OF FOOD

(Mouth, Stomach and Intestine)

Very Short Answer (2 Marks – Knowledge)

1. What is digestion?
2. Name digestive enzymes in saliva.

Short Answer (5 Marks – Understanding)

1. Explain digestion in mouth.
2. Describe digestion in stomach.
3. Explain digestion in intestine.

Long Answer (10 Marks – Analysis)

1. Describe digestion of carbohydrates, proteins and fats.

9. DEFECATION

Very Short Answer (2 Marks – Knowledge)

1. Define defecation.
2. Name sphincters involved in defecation.

Short Answer (5 Marks – Understanding)

1. Explain mechanism of defecation.

Long Answer (10 Marks – Analysis)

1. Describe defecation reflex and its regulation.
-

✓ Strictly based on TNMGRMU syllabus

✓ University-oriented 2, 5 & 10 mark questions

✓ Suitable for BPT / Allied Health Sciences