



SNS COLLEGE OF ALLIED HEALTH SCIENCES COIMBATORE –35
(Affiliated to the Tamil Nadu Dr M.G.R Medical University, Chennai)
B. Sc. RADIOGRAPHY AND IMAGING TECHNOLOGY
2024 BATCH
INTERNAL EXAMINATION – II
(23.06.2025)



PAPER I – HUMAN ANATOMY, PHYSIOLOGY & PATHOLOGY
RELEVANT TO RADIOLOGY

QP. Code : 801841

Year: First Year

Time: 3 hours

Maximum: 100 marks

Answer all the questions

I. Elaborate on

3 x 10 = 30

1. Enumerate the parts of digestive system? Add a note on external features of stomach?
2. Explain the steps involved in urine formation?
3. Draw and label the parts of Respiratory tract. Add a note on lungs?

II. Write notes on

8 x 5 = 40

1. Explain Nephron with diagram.
2. Functions of saliva.
3. Juxta glomerular apparatus.
4. Describe Spleen.
5. Mechanism of breathing
6. Functions of bile.
7. Physiology of Digestion.
8. Micturition reflex.

III. Short answers on

10 x 3 = 30

1. What are the anatomical regions of Abdomen?
2. Draw Biliary tree and Label.
3. What are the Layers of Alimentary Canal?
4. Pulmonary circulation.
5. Taste pathway
6. Function of Large Intestine.
7. Physiological jaundice and its types.
8. Deglutition
9. UTI.

10. COMPETITIVE EXAM QUESTIONS: (3X1=3 MARKS)

A) Question: Where does the majority of nutrient absorption occur in the digestive system? (NEET 2023)

Options: (a) Stomach (b) Small intestine (c) Large intestine (d) Esophagus

B) Question: Which of the following is the correct sequence in which urine flows through the kidney toward the urinary bladder? (NEET 2022)

Options: (a) Collecting duct → Loop of Henle → Proximal tubule → Distal tubule (b) Distal tubule → Proximal tubule → Loop of Henle → Collecting duct (c) Proximal tubule → Loop of Henle → Distal tubule → Collecting duct (d) Loop of Henle → Distal tubule → Collecting duct → Proximal tubule

C) Question: In which part of the respiratory system does the actual exchange of gases between air and blood take place?(NEET 2021)

Options: (a) Trachea (b) Bronchi (c) Alveoli (d) Pharynx