



2024 BATCH - B. Sc. PHYSICIAN ASSISTANT

FIRST YEAR - INTERNAL EXAM - I - (03.02.2025)

PAPER I - ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Time: 3 hours

Subject Code: 1601

Maximum: 100 marks

Answer all the questions

I. Elaborate on 10 x 3 = 30

1. Draw the diagram of digestive system and explain its structures and functions.
2. Describe in detail the Cardiac cycle with its various events, factors affecting
3. Structure of protein and Classification of proteins

II. Write notes on 5 x 8 = 40

1. Classification of lipids
2. Platelets
3. Glycolysis cycle
4. Functions of Liver
5. Rh Incompatibility
6. Heart Sounds
7. Tissue and its various types and functions
8. Draw and Label a neat diagram of Animal cell, Write the functions of the cell organelles

III. Short answers on 3 x 10 = 30

1. Planes of the body
2. What are the four layers of the walls of the Alimentary tract?
3. Pancreas.
4. Name the clotting factors.
5. Plasma membrane and its functions
6. Thoracic cage
7. Difference between voluntary muscle and involuntary muscle.
8. Urine analysis
9. Amino acids.
10. **i) Which of the following is not a classification of lipids? (NEET 2018)**
(a) Simple lipids (b) Conjugated lipids (c) Derived lipids (d) Complex lipids

ii) How is Rh incompatibility prevented in Rh-negative mothers? (AIIMS 2017)

- (a) Blood transfusion (b) RhoGAM injection (c) Antibiotics (d) Steroids

iii) Which tissue type forms the lining of blood vessels? (NEET 2019)

- (a) Squamous epithelium (b) Connective tissue (c) Smooth muscle (d) Nervous tissue