



**2024 BATCH - B. Sc. PHYSICIAN ASSISTANT
FIRST YEAR - INTERNAL EXAM - III - (16.09.2025)**

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. Explain about the physiology of Respiration
2. Define menstrual cycle. Name the different phases of menstrual cycle and discuss the hormonal changes during menstrual cycle.
3. Explain in detail about the liver and kidney disorders and mention its diagnostic tests.

II. Write notes on

5 x 8 = 40

1. Lung volume and its capacities
2. Bronchopulmonary segments with diagram
3. The Male reproductive system
4. Anatomy of Uterus
5. Synovial joint
6. Clavicle
7. Inborn errors of metabolism
8. BMR and factors affecting BMR

III. Short answers on

3 x 10 = 30

1. Pleura
2. Difference between Right lung and Left lung
3. Spermatogenesis
4. Epididymis
5. Types of Muscles
6. Name the bones of upper limb
7. Cartilage.
8. Insulin and Glucagon
9. Urine analysis
10. i) Which structure prevents food from entering the respiratory tract during swallowing?

(MCAT 2022)

- A) Larynx B) Epiglottis C) Trachea D) Pharynx

ii) Which hormone is primarily responsible for the development of secondary sexual characteristics in males? **(NEET 2021)**

- A) Estrogen B) Progesterone C) Testosterone D) Follicle-stimulating hormone (FSH)

iii) Write RQ Formula? _____. **(NEET PG 2022)**