



I YEAR - 2024 BATCH – INTERNAL EXAM – II (23.06.2025)

PAPER I – BASIC SCIENCES

Time: 3 hours

Subject Code: 1131

Maximum: 100 marks

Answer all the questions

I. Elaborate on

1. Describe the Menstrual cycle
2. Draw a neat labeled diagram of Scapula and describe its features, muscle attachments
3. Write the chemistry, dietary sources, requirement, functions and deficiency features of Vitamin-A and Vitamin-D with suitable diagram

II. Write notes on

1. Bronchopulmonary segments and bronchial tree
2. Lung volumes and capacities
3. Muscles of Thorax
4. Difference between male and female pelvis
5. Marasmus and Kwashiorkor
6. Type I and IV hypersensitivity reactions
7. Hepatitis B Virus
8. Enzyme Inhibition and its types

III. Short answers on

1. Three modes of contraception
2. Draw the diagram of a typical rib and name its parts
3. How many carpal bones are there in wrist? Name them
4. Parts of Sternum
5. Clavicle
6. Cartilages forming larynx
7. Respiratory Quotient
8. Three examples of bacterial infections
9. What is hypokalemia and hyperkalemia – mention its symptoms
10. i. The sternal angle (manubriosternal junction) is located at the level of which thoracic vertebrae?
(AIIMS 2019) - a) T2 b) T4 c) T6 d) T8
ii. Which of the following is a characteristic feature of Kwashiorkor but not Marasmus? (AIIMS 2018) – a) Severe weight loss b) Edema c) Muscle wasting d) Growth retardation
iii. Which of the following causes megaloblastic anemia? (NEET 2020) –
a) Vitamin B1 b) Vitamin B6 c) Vitamin B12 d) Vitamin B2