



B. Sc. OPERATION THEATRE AND ANAESTHESIA TECHNOLOGY
2024 BATCH - FIRST YEAR – INTERNAL EXAM – II - (16.09.2025)

PAPER I – BASIC SCIENCES

Time: 3 hours

Subject Code: 1131

Maximum: 100 marks

Answer all the questions

I. Elaborate on

10 x 3 = 30

1. Define BMR and explain the factors affecting BMR.
2. List out the glands of Endocrine system. Explain in detail the functions of Thyroid Hormone.
3. Classify joints. Describe the types of synovial joints using suitable examples

II. Write notes on

5 x 8 = 40

1. Explain about Urea Cycle.
2. Describe about bile and its role in digestion
3. Define Neoplasia. Mention any four Carcinogenic Agents
4. Hepatitis B virus
5. Describe the anatomy of the liver, including lobes and blood supply.
6. Describe the structure of skin
7. Functions of Posterior Pituitary hormones.
8. Gross anatomy of the stomach

III. Short answers on

3 x 10 = 30

1. Define (a) Normality (b) Molarity (c) Molality.
2. Name the salivary glands
3. Radiation injury
4. Innate Immunity
5. Three examples of Bacterial infections.
6. Name the layers of GIT
7. Trigone of the bladder.
8. Secondary cartilaginous joints
9. Gastric Emptying.
10. i) Which of the following is a nutritional deficiency disease characterized by edema? **(NEET 2017)**
a) Marasmus b) Kwashiorkor c) Rickets d) Scurvy
ii) Adrenaline is from: **(JIPMER 2016)**
a) Adrenal medulla b) Cortex c) Pancreas d) Liver
iii) CSF is produced by: **(NEET 2016)**
a) Choroid plexus b) Arachnoid mater c) Dura mater d) Pia mater