

SSR DEGREE AND PG COLLEGE(AUTONOMOUS)
DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY
IMPORTANT QUESTIONS SEMESTER -3
PAPER- PATHOLOGY

UNIT I: Introduction to Pathology-I

Short Questions

- 1.history of pathology.
- 2.Terminology in pathology.
- 3.causes of cell injury.
- 4.Difference between reversible and irreversible cell injury.
- 5.Difference between necrosis and apoptosis.

Long Questions

1. Explain the causes and mechanisms of cell injury in detail.
2. Describe necrosis in detail with its types and examples.
3. Explain apoptosis, its mechanism, pathways, and significance.
4. Define pathology. Explain the branches of pathology and common terms used in pathology.

UNIT II: Introduction to Pathology-II

Short Questions

1. Prevention of infectious diseases.
2. Role of host factors and virulence in infectious diseases.
3. Metastasis.
4. Carcinogens.
5. Oncogenes.
6. Tumour suppressor genes.
7. neoplasia.

Long Questions

1. Explain infectious diseases with suitable examples (Typhoid and Dengue).
2. Describe benign and malignant neoplasms in detail.
3. Explain metastasis and the spread of cancer.
4. Explain carcinogens, oncogenes, and tumour suppressor genes in the development of cancer.

UNIT III: Haematology & Cytology-I

Short Questions

1. Blood parameter
2. Normal values in haematology.
3. Leukopoiesis.
4. Leukocyte maturation.
5. Features of cell identification.

6. Difference between leukocytosis and leukocytopenia.

Long Questions

1. Explain the physiological and pathological variations in blood parameters (CBP).
2. Describe leukopoiesis and the stages of leukocyte maturation in detail.
3. Explain leukocytosis and leukocytopenia with causes and clinical significance.
4. Write a detailed note on normal haematological values.

UNIT IV: Haematology & Cytology-II

Short Questions

1. Disorders of platelets
2. Haemoglobinopathies.
3. Sick cell anaemia.
4. Bone marrow aspiration.
5. Bone marrow biopsy.

Long Questions

1. Explain qualitative and quantitative disorders of platelets.
2. Describe haemoglobinopathies with special reference to sickle cell anaemia.
3. Explain bone marrow aspiration—indications, procedure, and complications.
4. Describe the preparation and procedure of bone marrow biopsy.