

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)
Post Graduate Examination October/November 2025

Time: 180 Minutes

Max Marks: 100 Marks

Pathology Paper I
QP CODE: P3041

Your answer should be specific to the question asked
Draw neat labelled diagrams wherever necessary

1. Describe Paraneoplastic syndromes.
2. Classify tissue pigments. Discuss the interpretation of endogenous pigments.
3. Name the types of hypersensitivity reactions. Describe in detail anaphylactic reaction.
4. Discuss common diseases caused by occupational exposure.
5. Discuss Inborn errors of metabolism.
6. Define Thrombus. Describe the Role of platelets in thrombosis.
7. Discuss the classification, Pathology and immunology of leprosy.
8. Discuss the role of leucocyte receptors in inflammation. Add a note on leucocyte function defects.
9. Mention the routes of metastasis. Discuss the pathomechanisms of metastasis.
10. Describe Methods of assessment of cell proliferation

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Pathology Paper II

QP CODE: P3042

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10X10=100

1. Discuss the role of FNAC in the diagnosis of neoplastic lung lesions
2. Discuss the role and pitfalls of FNAC of bone tumours (7+3)
3. Discuss Automated cell counters.
4. Discuss the quality assurance in blood banking.
5. Discuss etiopathogenesis and lab evaluation of hyperbilirubinemia (5+5)
6. Describe Bethesda system of reporting thyroid cytology
7. Classify thrombocytopenia. Describe the laboratory approach to thrombocytopenia (3+7)
8. Classify haemolytic anaemias and discuss the laboratory diagnosis of the hereditary haemolytic anaemias (3+7)
9. Discuss the qualitative neutrophilic disorders.
10. Describe different methods of gene therapy in haematological disorders.

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Pathology Paper III

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10X10=100

1. Classify hepatitis viruses and discuss their role in chronic liver disease.
2. Discuss etiopathogenesis and morphology of pulmonary hypertension.
3. Discuss the pathology of tumors of the anterior mediastinum.
4. Classify testicular tumors and discuss the pathology of germ cell tumors of testis.
5. Describe the pathogenesis and pathology of lesions caused by Helicobacter pylori infection.
6. Discuss the recent advances in the pathogenesis of endometriosis. Add a note on complications.
7. Discuss etiopathogenesis and histological features of ischemic heart disease.
8. Discuss the role of hormone receptors and its clinical application in breast carcinoma.
9. Discuss the pathology of epithelial urinary bladder tumors.
10. Discuss the etiopathogenesis and recent updates in pathology of Acute Lung Injury.

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Pathology Paper IV

QP CODE: P3044

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10X10=100

1. Discuss differential diagnosis of solitary thyroid nodule.
2. Discuss the recent trends in the pathology of melanocytic lesion of skin.
3. Discuss the recent concepts in aetiopathogenesis of Osteoarthritis. Add a note on complications.
4. Describe the pathology of slow virus disease of nervous system.
5. Describe the etiopathogenesis of type II diabetes mellitus. Add a note on complications.
6. Discuss the pathology of the lesions associated with thymoma.
7. Discuss etiopathogenesis, gross and microscopic features of Rosai Dorfman disease.
8. Discuss the techniques and the role of tissue microarray in diagnostic pathology.
9. Discuss the role of muscle biopsy in the diagnosis of myopathies.
10. Classify soft tissue tumours of childhood. Discuss the pitfalls in their diagnosis.