

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A Deemed to be University)

Time: 180 Minutes

Max Marks: 100 Marks

Post Graduate Supplementary Examination April/May 2026

Pathology Paper I P3041

QP CODE: P3041

Your answer should be specific to the question asked

Draw neat labelled diagrams wherever necessary

10X10=100

1. Mention Autosomal recessive disorders and discuss the molecular pathology any one of them.
2. Discuss the etiopathogenesis and morphology of apoptosis. Add a note on its clinical significance.
3. Discuss the classification, physiochemical nature, pathogenesis and morphology of amyloidosis.
4. Discuss the etiopathogenesis and morphology of sudden infant death syndrome.
5. Define shock. Discuss the aetiopathogenesis and morphology of the Septic shock.
6. Classify and discuss the categories of agents involved in bioterrorism.
7. Discuss the role of leucocyte receptors in inflammation. Add a note on leucocyte function defects.
8. Discuss the recent concepts regarding the role of matrix metalloproteinases in tumour progression
9. Discuss the adenoma-carcinoma sequence in colorectal carcinoma
10. Define tumour marker. Discuss the role of tumour markers in the diagnosis and prognosis of various neoplasms.

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Pathology Paper II

QP CODE: P3042

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1. Describe Milan's system reporting salivary gland cytology.
2. Classify and discuss the laboratory diagnosis of Leukemoid reactions.
3. Discuss logistics of establishing a modern organ transplantation lab. Discuss newer techniques in tissue typing.
4. Describe the applications of stem cell therapy.
5. Discuss the diagnostic role of examination of urinary sediment in diagnosis of renal disease.
6. Discuss the role of FNAC in granulomatous lesions of lymph nodes.
7. Discuss the recent trends in the screening of cervical cancer
8. Discuss the aetiopathogenesis, morphology and lab diagnosis of disseminated intravascular coagulation. (3+3+4)
9. Classify haemolytic anaemias and discuss the laboratory diagnosis of the hereditary haemolytic anaemias. (3+7)
10. Discuss the quality control in Histopathology.

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Pathology Paper III

QP CODE: P3043

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1. Discuss differential diagnosis of granulomatous prostatitis.
2. Discuss the pathology of tumor like lesions of breast.
3. Classify renal tumours. Discuss pathology of clear cell sarcoma of kidney
4. Discuss the recent concepts in salivary gland neoplasms with reference to recent WHO classification
5. Discuss the pathology of placental site trophoblastic lesions
6. Define and classify cardiomyopathy. Discuss etiopathogenesis, pathology and complications of cardiomyopathy.
7. Describe the etiopathogenesis, pathology and complications of biliary cirrhosis
8. Discuss the etio-pathogenesis of tuberculosis. Add a note on the various diagnostic tests done in the laboratory for the diagnosis
9. Classify lung tumours. Add a note on diagnostic and prognostic markers in lung tumours.
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 the etiopathogenesis, gross and microscopic features of tuberculoma of brain.
2. Describe the current concepts in MEN syndrome.
3. Discuss diagnostic pitfalls in Paediatric tumour.
4. Classify adrenal tumors. Describe the morphology of malignant adrenal tumors.
5. Discuss the pathogenesis of post-transplant lymphoproliferative disorders.
6. Discuss etiopathogenesis, gross and microscopic features of Rosai Dorfman disease.
7. Discuss the techniques and the role of tissue microarray in diagnostic pathology.
8. Discuss the role of muscle biopsy in the diagnosis of myopathies.
9. Discuss the differential diagnosis for granulomatous skin lesions.
10. Classify soft tissue tumours of childhood. Discuss the pitfalls in their diagnosis.