

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH**

**PG Examinations June/July 2023**

**Time : 180 Minutes**

**MaxMarks : 100 Marks**

**Pathology Paper I - 2022**

**QP CODE: P3041**

*Your answer should be specific to the question asked*

*Draw neat labelled diagrams wherever necessary*

1. Classify types of transplant rejection. Describe Factors influencing transplant rejection
2. Discuss the role of cyclin and cyclin dependent factors in carcinogenesis
3. Classify leprosy. Discuss immunology in leprosy
4. Classify pigments. Discuss the significance of pigments in histopathological diagnosis
5. Discuss the pathogenesis and morphological changes in diseases caused by alcohol abuse
6. Describe the mechanisms of Microbial carcinogenesis
7. Discuss the etiopathogenesis and morphology of lysosomal storage diseases
8. Define edema. Discuss the etiopathogenesis and morphology of Cardiac Edema
9. Discuss Microsatellite instability (MSI) in neoplasia
10. Discuss angiogenesis in health and disease



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**Pathology Paper II**

**QP CODE: P3042**

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1. Discuss diagnostic procedures and utility of biliary tract cytology
2. Discuss the Laboratory tests for the diagnosis of microcytic hypochromic anaemia
3. Discuss Gene therapy and its clinical applications.
4. Discuss the autologous blood transfusion. Add a note on exchange transfusion
5. Describe the grey zones in the diagnosis of salivary gland cytology
6. Classify and discuss the pathogenesis and pathological findings in immune thrombocytopenia
7. Discuss the methods of processing of body fluids
8. Discuss the WHO classification and morphology of acute myeloid leukaemia
9. Discuss principle and application of chemiluminescence
10. Discuss the diagnostic algorithm in lymph node metastatic deposits from unknown primary



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**Pathology Paper III**

**QP CODE: P3043**

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1. Discuss etiopathogenesis and morphologic features of interstitial pneumonia
2. Discuss the prognostic factors in liver cell carcinoma
3. Discuss the recent updates in pathology of gestational trophoblastic disease
4. Discuss differential diagnosis of granulomatous prostatitis
5. Discuss the pathology of tumors of the anterior mediastinum
6. Describe the etiopathogenesis and histological features of vegetations of heart
7. Describe the utility of endoscopic biopsy in the diagnosis of small intestinal tumors
8. Discuss etiopathogenesis and histomorphological features of endometrial hyperplasia with reference to recent WHO classification
9. Discuss the morphology and prognostic factors of Wilms' tumor
10. Discuss the molecular classification of ductal carcinoma of breast.



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**Pathology Paper IV**

**QP CODE: P3044**

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1. Describe molecular markers in diagnosis of thyroid tumors
2. Discuss the differential diagnosis of epithelioid tumours of soft tissue
3. Discuss the premalignant skin lesions
4. Describe non-neoplastic causes of lymphadenopathy. Describe the pathology of castleman's disease
5. Classify Diabetes Mellitus. Describe the role of genetics in pathogenesis of Diabetes Mellitus
6. Classify thymic epithelial tumors. Describe their pathology and recent advances in their diagnosis
7. Discuss the techniques and the role of tissue microarray in diagnostic pathology
8. Discuss in detail about etiopathogenesis and morphology of pyogenic osteomyelitis. Add a note on complications.
9. Discuss the molecular genetics, gross and microscopic features of astrocytoma
10. Describe the role of molecular genetics in the diagnosis and management of NHL

