

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

**(A DEEMED TO BE UNIVERSITY)**

**Post Graduate Degree Examination - May 2018**

**Time : 3 Hrs**

**Max Marks : 100**

**M.D PATHOLOGY**

**Paper - I**

**Paper Code : RS-2101**

*Your answers should be specific to the questions asked.*

*Draw neat labeled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100**

1. Discuss the mechanisms of ischemic cell injury
2. Describe the functions of leucocytes in relation to inflammation and clinical conditions associated with leucocyte dysfunctions
3. Discuss the Isoenzymes in health and disease
4. Describe the mechanism of Gene cloning. Discuss the Merits and demerits of gene cloning.
5. Discuss Super antigens in health and disease
6. Discuss role of EBV in malignancy
7. Discuss the role of oncogenes in carcinogenesis
8. Describe methods for early diagnosis of neoplasia
9. Discuss pulmonary pathology in perinatal death
10. Describe stem cells and transdifferentiation in health and disease

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**Paper - II**

**Paper Code : RS-2102**

*Your answers should be specific to the questions asked.  
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**LONG ESSAY**

**10 X 10 = 100**

1. What is the significance of blood indices in clinical haematology
2. Classify leukemias and discuss childhood leukemias
3. Importance of microenvironment in haematopoiesis
4. Relevance of serum enzymes in MI?
5. Discuss the diagnostic pitfalls in salivary gland cytology.
6. Describe the role of frozen section in breast lesion
7. FNAC features of some important soft tissue tumors
8. Discuss the complications of mismatched blood transfusion. Add a note on screening procedures to be undertaken before transfusion
9. Discuss the techniques and interpretation of minimally invasive autopsy
10. Gene tracking

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**Paper - III**

**Paper Code : RS-2103**

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**LONG ESSAY**

**10 X 10 = 100**

1. Discuss fallot's tetralogy
2. Discuss the pathology of tumors of the anterior mediastinum
3. Discuss lymphomatoid granulomatosis of lung
4. Discuss the ulcerative lesions of GIT
5. Lab diagnosis of pancreatic disorders
6. Morphology & molecular genetics of autosomal dominant polycystic kidney disease
7. Discuss the role of immunohistochemistry in prostatic lesions
8. Describe dating of endometrium with histomorphological features
9. Discuss benign proliferative breast disease
10. Recent updates in pathology of gestational trophoblastic disease

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**Paper - IV**

**Paper Code : RS-2104**

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**LONG ESSAY**

**10 X 10 = 100**

1. Etiopathogenesis of Alzheimer's disease.
2. Describe the current concepts in MEN syndrome
3. Discuss hormone secreting tumors of exocrine glands
4. Pathogenesis and histomorphology of rheumatoid arthritis
5. Discuss laboratory approach in case of splenomegaly
6. Discuss causes and classification of lymphadenopathy
7. Discuss premalignant skin lesions
8. Granular cell tumours
9. Discuss the role of electron microscopy and immuno fluorescence in the diagnosis of glomerular lesions of kidney
10. Approach and differential diagnosis of embryonal brain tumors in children