



SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination - July 2021

Time : 3 Hrs

Max Marks : 100

M.D PATHOLOGY

Paper- I QP Code: P3041

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY

10 X 10 = 100

1. Discuss the role of tensins in health and disease
2. Discuss the cells and mediators of chronic infammation
3. Discuss the Isoenzymes in health and disease
4. Discuss the biochemical and molecular basis of single gene disorders
5. Classify transplant rejection reactions and describe pathology of acute rejection
6. Mention viruses causing hepeticis. Discuss the pathogenesis of cancer in viral hepatitis.
7. Describe Methods of assessment of cell proliferation
8. Define tumour marker. Discuss the role of tumour markers in the diagnosis and prognosis of various neoplasms
9. Discuss the aetio-pathogenesis of tuberculosis and the various diagnostic tests
10. Discuss common diseases caused by environmental exposure



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Paper- II QP Code: P3042

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LONG ESSAY

10 X 10 = 100

1. Discuss the pathogenesis and investigations in megaloblastic anemia
2. Discuss Molecular cytogenetics of haematological malignancies
3. Classify and discuss the pathogenesis and pathological findings in immune thrombocytopenia
4. Discuss the utility of liver function tests in a case of jaundice.
5. Discuss the diagnostic pitfalls in salivary gland cytology.
6. Describe the role of bronchial brushings, bronchial washings, bronchial biopsy and BAL fluid examination in diagnosis of pulmonary diseases
7. Discuss the role of guided FNAC in abdominal lesions
8. Describe the applications of stem cell therapy
9. Describe Silver impregnation technique in histopathology
10. Define and discuss Hemovigilance



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Paper- III QP Code: P3043

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LONG ESSAY

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1. Classify vasculitis and describe the morphology of small vessel vasculitis
2. Discuss the pathology of tumors of the anterior mediastinum
3. Discuss etiopathogenesis and morphological features of hyaline membrane disease
4. Classify malabsorption syndromes. Discuss the pathology of malabsorption syndromes
5. Discuss the role of histopathology in chronic hepatitis
6. Discuss the pathology and pathogenesis of glomerular basement membrane disease
7. Discuss differential diagnosis of granulomatous prostatitis
8. Classify ovarian tumor and describe the pathology of Leydig (Hilus) cell tumors of ovary
9. Describe the pathology of papillary lesions of breast.
10. Discuss the etiopathogenesis and recent updates in pathology of Acute Lung Injury



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Paper- IV QP Code: P3044

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LONG ESSAY

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1. Discuss the etiopathogenesis and pathology of Prion diseases
2. Describe molecular markers in diagnosis of thyroid tumors
3. Classify diabetes mellitus and describe pathology of pancreas in diabetes mellitus
4. Mention the common sites for osteosarcoma. Describe the morphology of different histological subtypes of osteosarcoma
5. Discuss the laboratory approach to splenomegaly
6. Discuss etiopathogenesis and pathology of metabolic bone disease
7. Discuss the pathology of cutaneous lymphoproliferative disorders.
8. Discuss role of IHC in diagnosis of soft tissue sarcomas
9. Discuss the role of electron microscopy and immuno fluorescence in the diagnosis of glomerular lesions of kidney
10. Discuss Epithelial mesenchymal transition