

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

Post Graduate Degree Examination - Apr/May 2019

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. Define calcification. Mention the types of calcifications. Discuss in detail about Pathologic calcification
2. What are Acute phase reactants. Describe their role in acute inflamamtion.
3. Discuss etipathogenesis, morphology and complications of ARDS
4. Discuss the molecular genetic techniques in the diagnosis of genetic disorders.
5. Discuss the role of HLA in health and disease
6. Describe the mechanisms of Microbial carcinogenesis
7. Discuss the role of growth factors in carcinogenesis
8. Describe the role of cytoplasmic filaments in tumours.
9. Describe the Life cycle of Wucheria bancrofti. Discuss about elephantiasis
10. Discuss the role of Vitamin A in health and disease

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Paper-II QP Code: P3042

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LONG ESSAY

10 X 10 = 100

1. Discuss the molecular basis of thalasseмииs
2. Discuss the role of Flow cytometry in the diagnosis of Acute leukaemias
3. Classify and discuss the laboratory investigations in Platelet Function disorders
4. Enumerate in detail liver function tests and their value in diagnosis of liver diseases
5. Discuss the pit falls in FNAC of thyroid lesions
6. Discuss sputum examination in the screening and diagnosis of pulmonary lesion
7. Discuss the role of cytology in ovarian tumours
8. Discuss the automation in blood banking
9. Discuss the role of tissue microarray in the histopathology diagnosis
10. Discuss logistics of establishing a modern organ transplantation lab. Discuss newer techniques in tissue typing

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Paper-III QP Code: P3043

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LONG ESSAY

10 X 10 = 100

1. Discuss the pathology of Cardiac tumors
2. Discuss pathology of neurogenic tumors and related neoplasms of mediastinum
3. Discuss etiopathogenesis and pathology of lymphomatoid granulomatosis of lung
4. Discuss the etiopathogenesis, pathology and complications of Whipple disease
5. Describe pathophysiology, histomorphological features of hepatitis C virus infection
6. Describe the classification, etiopathogenesis and laboratory diagnosis of RPGN
7. Discuss the pathology of non seminomatous germ cell tumors of testis
8. Describe recent diagnostic and prognostic indices in endometrial carcinoma.
9. Discuss pathology and pathogenesis of fibrocystic disease of breast
10. Describe in detail molecular testing for HPV

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Paper-IV QP Code: P3044

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LONG ESSAY

10 X 10 = 100

1. Discuss the recent trends in classification of glial tumors of CNS
2. Discuss the prognostic markers in thyroid tumors
3. Discuss the pathogenesis, morphology and IHC of carcinoids
4. Discuss etiopathogenesis and prognostic markers of rheumatoid arthritis
5. Discuss the pathology of familial histiocytic proliferative disorders
6. Discuss the role of dystrophin in health and disease.
7. Discuss gross and histopathology of tumors of sebaceous gland
8. Discuss gross, microscopic features and IHC of smooth muscle tumors
9. Discuss Histopathology technique to be followed to prepare tissue for electron microscopy
10. Discuss the Best Practice in the Diagnosis of Gastrointestinal MALT Lymphoma