

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

Post Graduate Degree Examination - November 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 Cellular Ageing
2. Discuss angiogenesis in health and disease
3. Discuss etiopathogenesis and morphology of Gangrene
4. Discuss the biochemical and molecular basis of single gene disorders
5. Discuss logistics of establishing a modern organ transplantation lab. Discuss newer techniques in tissue typing
6. Discuss about microbial carcinogenesis
7. Discuss the Epithelial mesenchymal transitions in cancers
8. Describe Paraneoplastic syndromes
9. Discuss obesity and its complications
10. Describe the role of autopsy in diagnosis of sepsis and related fatal syndromes

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Paper - II

Paper Code : RS-2102

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LONG ESSAY

10 X 10 = 100

1. Discuss the pathogenesis of anemia of chronic disease. Describe the differentiating features of anemia of chronic disease and iron deficiency anemia.
2. Describe the pathogenesis and laboratory diagnosis of CML
3. Describe the diagnostic criteria and laboratory investigations in a case of antiphospholipid antibody syndrome
4. Discuss the utility of liver function tests in a case of jaundice.
5. Discuss the differential diagnosis for medullary carcinoma of thyroid in FNAC smears
6. Describe the limitations of FNAC in breast lesions
7. Discuss the role and pitfalls of FNAC of bone tumours
8. Describe in detail the standard protocol and requirement in establishing modern blood bank
9. Discuss FISH technique and its utility
10. Discuss Hemovigilance

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Paper - III

Paper Code : RS-2103

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LONG ESSAY

10 X 10 = 100

1. Classify vasculitis, and describe the morphology of small vessel vasculitis
2. Discuss malignant mesothelioma of lung
3. Discuss the etiopathogenesis and pathology of pneumocystis carinii pneumonia
4. Discuss the pathogenesis and pathology of Celiac disease
5. Discuss histomorphologic features of chronic hepatitis
6. Discuss Wilm's tumor and the syndromes associated with it.
7. Discuss the role of IHC in prostatic intraepithelial neoplasia
8. Discuss the current concepts of trophoblastic diseases
9. Discuss classification of carcinoma of breast and discuss how prognosis is related to histological type
10. Discuss the recent updates on pathology and differential diagnosis of regenerative and neoplastic hepatocellular nodules

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Paper - IV

Paper Code : RS-2104

Your answers should be specific to the questions asked.

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LONG ESSAY

10 X 10 = 100

1. Discuss clinical, radiological, gross and microscopic features of central neurocytoma
2. Discuss differential diagnosis of solitary nodules in thyroid
3. Describe the etiopathogenesis of type II diabetes mellitus
4. Discuss etiopathogenesis and histomorphology of osteomalacia
5. Discuss pathology of lymphnode in AIDS
6. Discuss the pathology of primary bone forming tumors
7. Discuss the role of immunofluorescence in the diagnosis of vesiculo bullous lesions of skin.
8. Discuss the pitfalls in the diagnosis of soft tissue tumors of childhood
9. Discuss the recent progress in diagnosis and prognosis of malignant melanoma
10. Discuss the etiopathogenesis and pathology and recent advances in cutaneous pseudolymphoma