

**(A DEEMED TO BE UNIVERSITY)**

**Post Graduate Degree Examination – May - 2013**

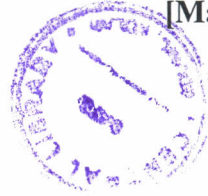
**Time : 3 Hrs.**

**[Max. Marks : 100]**

**M.D PATHOLOGY**

**PAPER - I**

**Q.P Code : 2101**



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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Write a structured essay on the following issues in Neoplasia.
  - a. Define Oncogenes. (2 marks)
  - b. Classify Oncogenes. (3 marks)
  - c. Describe in detail the process of viral oncogenesis. (5 marks)
  - d. Write briefly on the genetic control of metastasis. (5 marks)
  - e. Write a brief note on Tumour Markers. (5marks)
2. Write a structured essay on the following issues in Transplantation immunology.
  - a. Define Histocompatibility Antigen. (2 marks)
  - b. Enumerate the different methods of Tissue typing. ( 3 marks)
  - c. Classify the various types of transplant reactions in Renal Transplant. (5 marks)
  - d. Discuss in detail graft versus host reaction. (5 marks)
  - e. Add a note on the histo-pathological features of Renal Transplant Rejection. (5 marks)

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Collagen in health and disease.
4. Cellular events in acute inflammation.
5. Role of platelets in Thrombosis.
6. Cell adheshion molecules and their role in healing and in fracture healing.
7. Pathogenesis of Asbestosis.
8. Gene Therapy.

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

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**Time : 3 Hrs.**

**[Max. Marks : 100]**

**M.D PATHOLOGY**

**PAPER - II**

**Q.P Code : 2102**



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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. Discuss the role of peripheral blood smear examination in the era of automation.
2. Discuss the cytodagnosis of tumours of lymphoid tissue.

**SHORT ESSAY**

**6 X 10 = 60 Marks**

3. Pitfalls in thyroid FNAC diagnosis.
4. Apheresis.
5. Synovial fluid examinations.
6. Myelodysplastic syndromes.
7. Multiple myeloma.
8. Sperm banking.

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**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH****(A DEEMED TO BE UNIVERSITY)****Post Graduate Degree Examination – May - 2013****Time : 3 Hrs.****[Max. Marks : 100]****M.D PATHOLOGY****PAPER - III****Q.P Code : 2103**

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

**LONG ESSAY****2 X 20 = 40 Marks**

1. Discuss the etiopathogenesis, pathology and laboratory investigations in the diagnosis of cervical intra epithelial neoplasia.
2. Discuss the etiopathogenesis, molecular pathology, histological types with lab investigations in pancreatic carcinoma.

**SHORT ESSAY****6 X 10 = 60 Marks**

3. Neuroendocrine tumours of lung.
4. Helicobacter pylori gastritis..
5. Autosomal recessive (childhood) polycystic kidney disease.
6. Acute fatty liver of pregnancy (AFLP).
7. Vetricple's disease.
8. cardiomyopathies.

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

**LONG ESSAY****2 X 20 = 40 Marks**

1. Discuss the cartilaginous tumors of the bone.
2. Discuss MEN (Multiple endocrine Neoplasias)

**SHORT ESSAY****6 X 10 = 60 Marks**

3. Pilocytic Astrocytoma.
4. Anaplastic large cell lymphoma.
5. Psoriasis.
6. Orbital pseudo tumors and tumor – like lesions.
7. Myxoid liposarcoma.
8. Parasitic diseases in brain.