

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

**(A DEEMED TO BE UNIVERSITY)**

**Post Graduate Degree Examination – April/May - 2017**

**Time : 3 Hrs.**

**[Max. Marks : 100]**

**M.D. PATHOLOGY**

**PAPER - I**

**Q.P Code : RS 2101**

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

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Enumerate subtypes of stem cells. Discuss the role of stem cells in therapeutic modalities.
2. Write about the cells and mediators of chronic inflammation.
3. Write the aetio-pathogenesis of systemic lupus erythematosus (SLE) and describe the morphology of lupus nephritis.
4. Define tumour marker. Discuss the role of tumour markers in the diagnosis and prognosis of various neoplasms.
5. Discuss the mechanisms of angiogenesis in wound healing.
6. Enumerate the lysosomal storage diseases, their enzyme deficiencies and discuss about Gaucher disease subtypes and morphology.
7. Write about genomic imprinting.
8. Role of trace elements in health and disease.
9. Discuss the aetio-pathogenesis of tuberculosis and the various diagnostic tests done in the laboratory for diagnosis.
10. Discuss the ill effects of tobacco usage on human health.

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**M.D. PATHOLOGY**

**PAPER - II**

**Q.P Code : RS-2102**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Role of automation in cervical cytology.
2. Qualitative platelet disorders.
3. Paroxysmal nocturnal hemoglobinuria.
4. Cytogenetic abnormalities in acute myeloid leukemia.
5. Genetics of Rh phenotypes.
6. Bethesda system of reporting thyroid cytology.
7. Quality control in blood banking.
8. Sperm banking.
9. Urinary screening for inherited metabolic diseases.
10. Monolayer preparation methods in cytology.

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**M.D. PATHOLOGY**

**PAPER - III**

**Q.P Code : RS-2103**

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**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Describe the pathogenesis of inflammatory Bowel disease and morphology of ulcerative colitis.
2. Classify and discuss pathogenesis of diffuse interstitial lung disease.
3. Classify Cardiomyopathies and discuss pathogenesis and morphology of dilated cardiomyopathy.
4. Discuss the pathogenesis, morphology and clinical features of Celiac disease.
5. Discuss the pathogenesis of Acute Pancreatitis and laboratory findings in acute pancreatitis.
6. Classify and discuss the pathogenesis of thrombotic microangiopathies.
7. Classify tumours of urinary bladder and discuss the pathogenesis of bladder carcinoma. Mention the variants of urothelial carcinoma.
8. Discuss the aetiopathogenesis, grading and staging of Adenocarcinoma of prostate.
9. Placental site trophoblastic tumour (PSTT)
10. Enumerate the causes of abnormal uterine bleeding. Discuss anovulatory cycle and inadequate luteal phase.

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**M.D. PATHOLOGY**

**PAPER - IV**

**Q.P Code : RS-2104**

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

*Draw neat labelled diagrams wherever necessary.*

**LONG ESSAY**

**10 X 10 = 100 Marks**

1. Molecular pathology of Pancreatic cancer.
2. Epithelial mesenchymal transitions.
3. Giant cell rich tumours of bone.
4. Inflammatory myopathies.
5. Pathogenesis of type II diabetes mellitus.
6. Differential diagnosis of Thyroiditis.
7. Pathogenesis of post transplant lymphoproliferative disorders.
8. Granular cell tumours.
9. Enumerate Leukodystrophies. Describe in brief their pathological features.
10. Write about Biobanking.

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