

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – October / November - 2015

Time : 3 Hrs.

[Max. Marks : 100]

M.D PATHOLOGY

PAPER - I

Q.P Code : RS2101

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Discuss the role of Tumour Suppressor Genes in cancer.
2. Mendelian disorders.
3. Define paraneoplastic Syndromes. Elaborate its various types.
4. FISH (Fluorescent in situ hybridization).
5. Write in detail the pathological changes in various organs in shock.
6. Discuss the role of macrophages in health and disease.
7. Lysosomal storage disorders.
8. Define inflammation. Discuss in detail the chemical mediators of inflammation.
9. Define embolism. Discuss in detail non-haematological causes of embolism.
10. Anti Nuclear Antibodies.

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M.D PATHOLOGY

PAPER - II

Q.P Code : RS2102

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Immunological basis of blood grouping and transfusion reactions.
2. Describe classification of anaemia and give an account of immune haemolytic anaemia.
3. Polycythemia vera.
4. Bone marrow trephine biopsy with its application.
5. Classification of MDS.
6. Principle of automated counters in hematology.
7. Flow cytometry in the diagnosis of leukemias.
8. Plasma cell disorders.
9. FAB classification of acute myeloid leukemia with a note on Genetic alterations.
10. Immune thrombocytopenia.

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PAPER - III

Q.P Code : RS2103

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Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Classify breast carcinomas. Describe molecular pathology with histological and prognostic factors in breast carcinoma.
2. Discuss in detail about cystic lesions of kidney.
3. Classify ovarian neoplasms. Describe the morphology of sex cord stromal tumors.
4. Describe the current concepts in the pathogenesis of atherosclerosis.
5. Discuss chronic obstructive pulmonary disease.
6. Classify cirrhosis of liver. Describe aetiopathogenesis of alcoholic cirrhosis.
7. Classify lung tumors. write a note on the pathology of neuroendocrine tumors of lung.
8. Discuss cardiomyopathies.
9. Role of testicular biopsy in male infertility.
10. Angiodysplasia of colon.

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M.D PATHOLOGY

PAPER - IV

Q.P Code : RS2104

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Quality control in histopathology.
2. Morphology of osteogenic sarcoma.
3. Pathology of psoriasis.
4. Retinoblastoma- pathogenesis and morphology.
5. Muscular dystrophy.
6. phaeochromocytoma.
7. Discuss about microsatellite instability and its role in colonic cancer.
8. Discuss the role of immunohistochemistry in the diagnosis of malignant small round cell tumors of childhood.
9. Write a note on the pathology and genetics of meningiomas.
10. DNA microarray. Analysis in malignant lymphomas.

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