

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Post Graduate Degree Examination – May - 2016

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. What is inflammation? Describe about plasma protein derived mediators of inflammation.
2. Apoptosis.
3. What are growth factors? Describe signaling mechanisms in cell growth.
4. Classify cell injury and describe morphological changes in cell injury.
5. Host defence against tumors.
6. Mechanisms of autoimmunity.
7. Classify amyloidosis. Describe morphological changes and laboratory diagnosis of amyloidosis.
8. Role of platelets in thrombosis.
9. Microbial carcinogenesis.
10. Cytogenetic disorders involving sex chromosomes.

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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. Myelodysplastic syndromes.
2. Investigate a case of hemolytic anemia.
3. Congenital dyserythropoietic anemias.
4. Automated urine analysis.
5. Qualitative platelet disorders.
6. FNAC of thyroid lesions.
7. Transfusion reactions.
8. Sideroblastic anemias.
9. Quality control in clinical pathology .
- 10.Pap smear.

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PAPER - III

Q.P Code : RS-2103

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Cardio myopathies.
2. Prostatic intraepithelial neoplasia.
3. Molecular pathology of colonic tumours.
4. Biliary cirrhosis.
5. Triple negative carcinoma breast.
6. Immunofluorescence in renal diseases.
7. Vasculitis.
8. Undifferentiated carcinoma-ovary.
9. Investigations of male infertility.
10. Interstitial lung disease.

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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. Discuss the current concepts in osteoarthritis.
2. Role of immunohistochemistry in prostatic lesions.
3. What is tissue microarray? Write briefly about their design and their application in diagnosis.
4. Wilm's tumor and the syndromes associated with it.
5. Cutaneous pseudolymphoma.
6. Etiopathogenesis of alzheimer's disease.
7. Differential diagnosis for granulomatous skin lesions.
8. Fish technique and its utility.
9. Application of polymerase chain reaction in the diagnosis of cancers.
10. Telepathology.

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