Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 21-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PATHOLOGY - PAPER – I (RS-2/RS-3)
General Pathology
Q.P. CODE: 7391

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe the role of growth factors in health and disease.
2. Discuss the principle and applications of fluorescent – in situ hybridization.
3. Describe the role of endothelial cells in health and disease.
4. EBV (Epstein Barr Virus) associated diseases.
5. Etiopathogenesis of obesity.
6. Genomic imprinting.
7. X linked recessive disorders.
8. Metaplastic changes in tissues.
9. Mechanisms of cellular ageing.
10. Describe plasma derived chemical mediators of inflammation.

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M.D. Degree Examination – 24-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PATHOLOGY - PAPER – II (RS-2/RS-3)
Haematology, Clinical Pathology and Cytology
Q.P. CODE: 7392

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

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe etiopathogenesis and lab diagnosis of polycythemia. Add a note on its Molecular genetics.
2. What are plasma cell dyscrasias? Discuss investigation for diagnosis of multiple myeloma.
3. Write about immunophenotyping and cytogenetics of acute leukemias.
4. Give an account of laboratory diagnosis of malaria.
5. Discuss investigations for mismatched blood transfusions.
6. Write about automation in urine analysis.
7. Write about amniocentesis, preparation and uses of cell block technique.
8. Discuss about brush cytology.
9. Describe the squash technique. Describe squash cytology of CNS Tumors.
10. Discuss the disposal of biomedical solid waste management.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 26-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PATHOLOGY - PAPER – III
(RS-2/RS-3)
Systemic Pathology
Q.P. CODE: 7393

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Write about recent advances in investigation of cardiac death.
2. Gastro Intestinal Stromal Tumors.
3. Write about premalignant lesions of oral cavity.
4. Give a note on pathogenesis and pathology of gall stones.
5. Write about Systemic Lupus Erythematosus (SLE). Add a note on renal Immuno Fluorescence (IF) study in SLE.
6. Write a note on cystic diseases of kidney.
7. Non villous trophoblasts in endometrial curettage.
8. Discuss the role of testicular biopsy in infertility.
9. Write about prognostic markers in carcinoma of breast.
10. Write about the pulmonary pathology in Perinatal death.

M.D. Degree Examination - 28-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PATHOLOGY - PAPER – IV
(RS-2/RS-3)
Systemic Pathology
Q.P. CODE: 7394

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Role of muscle biopsy in inflammatory myopathies.
2. Cutaneous pseudo lymphoma.
3. Sudden unexpected deaths in infancy.
4. Discuss about etiology, pathology and prognostic indicators of malignant melanoma.
5. Discuss pathology of meningioma.
6. Discuss the role of immunohistochemistry in differential diagnosis of spindle cell tumours.
7. Discuss tumours of mediastinum.
8. Discuss the newer entities in the latest WHO. Classification of CNS tumours.
9. Recently described tumours of Thyroid.
10. Molecular profiling of osteoarticular neoplasms.

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