Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 07-Jul-2023

[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. Write about Pigmented Disorders.
2. **Ochronosis**
3. Discuss the platelet derived inflammatory mediators.
4. Discuss about the Gene Cloning-merits and demerits.
5. Minor Histocompatiability antigen.
6. Write about Oncogenes, classification, Detection and Analysis.
7. Write about Flow Cytometry in a diagnostic laboratory.
8. Write in detail about iso enzymes.
9. Histopathologist and internet.
10. Write about Silver impregnation technique in Histopathology.

M.D. Degree Examination – 10-Jul-2023

[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. Bethesda system of reporting thyroid cytology.
2. Role of CT guided FNAC in pulmonary lesions.
3. Bone marrow failure.
4. Intra operative cytology of pancreatic lesions.
5. Molecular pathogenesis of Thalassemia.
6. Approach to male infertility.
7. Role of FNAC in soft tissue tumours.
8. Prognostic factors in acute leukemias.
9. Discuss about laboratory tests in the case of bleeding disorders.
10. Micro albuminuria.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 12-Jul-2023

[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. Classification of non-small cell lung carcinoma.
2. Childhood renal neoplasms.
3. Write about classification of salivary gland tumours and brief on malignant tumours of salivary gland.
4. Write about premalignant lesions of the colon. Discuss about gross and microscopic features of ulcerative colitis.
5. Intraductal carcinoma prostate (IDC-P).
6. Classify the discuss etiopathogenesis of vasculitis.
7. Testicular biopsy.
8. Describe the etiology, pathology and recent developments in the diagnosis of urinary bladder carcinoma.
9. Classify ovarian tumours. Write about histogenesis and etiopathology of hormone producing tumours.
10. Discuss about pathology of sino nasal tumours.

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M.D. Degree Examination - 14-Jul-2023

[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. Histopathological variants of Hodgkin’s Lymphoma.
2. Alzheimer’s disease.
3. Grading of meningioma.
4. Merkel cell tumor.
5. Giant cell lesions of jaw.
6. Thymic Neoplasms.
7. Etiopathogenesis and morphology of Hashimoto’s thyroiditis
8. Bone tumors of childhood.
9. Plexiform Neurofibromatosis
10. IHC role in soft tissue tumour.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 16-Dec-2023

[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. Write about Apoptosis in Health and Disease.
2. Role of free radicals in disease causation and antioxidants in their prevention.
3. Discuss the role of mast cells in health and disease.
4. Disorders due to sex chromosomes.
5. Role of Major Histocompatibility Complex (MHC) in disease.
6. Epstein Barr virus in Disease.
7. Write the role of PCR in a diagnostic laboratory.
8. Write about Hydrops foetalis-causes and lab diagnosis.
9. Describe about occupational cancers.
10. Write in detail about Supra vital stains.

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M.D. Degree Examination – 18-Dec-2023

[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. Role of Red Cell Histogram in management of Anemia.
2. Acute phase reactants.
3. Diffuse large B Cell lymphoma, morphologic, immunophenotypic and cytogenetic features.
4. Myelodysplastic syndrome etiopathogenesis and Lab findings.
5. Describe the utility of Stem cell banking in various disorders.
6. Utility of Flow Cytometry in diagnosis of Acute Leukemias.
7. Fine-Needle Aspiration Cytology of Basaloid Neoplasms of the Salivary Gland.
8. Thrombocytopenia.
9. Lab investigations in Hemoglobinopathies.
10. Laboratory investigations in Coagulation disorders.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 20-Dec-2023

[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. Pathogenesis and Lab findings in Ulcerative Colitis.
2. Pathology of Acute Lung Injury.
3. Intraductal mucinous neoplasms of Pancreas.
4. Clear cell sarcoma of kidney.
5. Pathology of Hepatocellular nodules.
6. Discuss the role of Immunohistochemistry in the diagnosis of undifferentiated malignant Tumors.
7. Vegetations of heart.
8. Prognostic markers in prostatic carcinoma.
9. Cervical Adenocarcinomas-morphology, etiology and molecular genetics.
10. Estrogen and progesterone testing in Breast Cancer.

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M.D. Degree Examination - 22-Dec-2023

[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. Fungal lesions of Paranasal sinuses.
2. Significance of PD L-1 (Programmed Death- Ligand 1).
3. Immunohistochemistry on Cryostat tissue sections.
4. Gouty Arthritis.
5. Peripheral neuroectodermal tumors.
6. Mantle zone Lymphoma.
7. Differential diagnosis of Myxoid Soft tissue Sarcomas.
8. Pathology of Alzheimer’s disease.
9. Etiopathogenesis and Histopathology of Osteogenic Sarcoma.
10. Role of Immuno fluorescence technique in diagnosis of skin lesions.

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