Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MD PATHOLOGY
General pathology
(Revised Scheme)

PAPER – I

Q.P. CODE: 7391

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the role of microsatellite instability in neoplasia

2. Discuss chemokines with special emphasis on their role in inflammation

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Mitochondrial pathway of apoptosis
4. Graft versus host disease
5. Proteomics
6. Reactive oxygen species in cell injury
7. Fragile X syndrome
8. Immunopathology of HIV infection

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MD PATHOLOGY
HAEMATOLOGY, CLINICAL Pathology AND CYTOLOGY
(Revised Scheme)

PAPER – II

Q.P. CODE: 7392

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the hematologic manifestations of HIV infection.

2. Discuss the cytologic findings and differential diagnostic considerations in salivary gland lesions

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Hemoglobinuria
4. Mast cells in health and disease
5. Cytologic evaluation of hormonal status in vaginal smears
6. Inherited platelet disorders
7. Bombay blood group
8. Molecular basis of Thalassemias

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – May 2014

Time: Three Hours **Max. Marks: 100 Marks**

MD PATHOLOGY

Systemic pathology (Revised Scheme)

PAPER – III

Q.P. CODE: 7393

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss tumors and tumor like conditions of intermediate trophoblasts

2. Discuss cystic tumors of the kidney

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Predictive and prognostic factors of breast carcinoma
4. NASH
5. Differentail diagnosis of salivary gland tumors with clear cells
6. DAD
7. IgA nephropathy
8. Restrictive cardiomyopathy

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2014

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

PATHOLOGY

SYSTEMIC PATHOLOGY

PAPER – IV (Revised Scheme)

Q.P. CODE : 7394

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the differential diagnosis and immunohistochemistry findings in malignant spindle cell tumors of soft tissue
2. Describe the pathogenesis and morphology of renal changes in diabetes mellitus

SHORT ESSAY **6 X 10 = 60 Marks**

3. Desmoplastic infantile astrocytoma
4. Anaplastic large cell lymphoma
5. Duchenne muscular dystrophy
6. Cutaneous manifestations of nutritional deficiencies
7. Primary malignant tumors of retroperitoneal area
8. Pituitary adenoma

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Oct/Nov 2014

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

PATHOLOGY

GENERAL PATHOLOGY - PAPER – I

(Revised Scheme)

Q.P. CODE : 7391

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Define inflammation. Discuss the role of various chemical mediators in acute inflammation
2. Discuss the pathogenesis and diagnosis of various fungal infections of the skin

SHORT ESSAY **6 X 10 = 60 Marks**

3. Cellular ageing
4. Genomic imprinting
5. Pathologic clacification
6. Granulomas
7. Types of collagen
8. Pneumoconiosus

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

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MD PATHOLOGY

HAEMATOLOGY, CLINICAL Pathology AND CYTOLOGY

(Revised Scheme)

PAPER – II

Q.P. CODE: 7392

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the role of automation in cervical cytology.

2. Enumerate the cytogenetic abnormalities in Acute Myeloid Leukemias and add a note on molecular basis of Acute Promyelocytic leukemia

SHORT ESSAYS **6 x 10 = 60 Marks**

3. FNAC of solitary thyroid nodule

4. Pure red cell aplasia

5. Leukopheresis

6. APLA syndrome

7. Classification and lab diagnosis of von Willebrand disease

8. Role of HPLC in hemoglobinopathies

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Oct/Nov 2014

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

PATHOLOGY

SYSTEMIC PATHOLOGY

PAPER – III (Revised Scheme)

Q.P. CODE: 7393

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the pathogenesis, pathology, lab diagnosis & complication of ischemic heart disease
2. Describe the pathology of cartilaginous tumours

SHORT ESSAY **6 X 10 = 60 Marks**

3. Malakoplakia
4. Peripheral T – cell and NK cell Neoplasms
5. Pathology of Non cirrhotic portal fibrosis
6. Etiopathogenesis & pathology of acute pancreatitis
7. Pathogenesis & pathology of tubulo interstitial nephritis
8. Progress in diagnosis & prognosis of malignant melanoma

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Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MD PATHOLOGY

Systemic pathology (Revised Scheme)

PAPER – IV

Q.P. CODE: 7394

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the benefits of the recent WHO classification of thymomas.

2. Morphology of cutaneous lesions in SLE and their differential diagnosis

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Pathogenesis of autoimmune disorders affecting the thyroid
4. Orbital inflammatory pseudotumours
5. Recent concepts in Hodgkin's disease
6. Morphology of the brain in Alzheimer's disease
7. Variants of Synovial Sarcoma
8. Prosthesis related changes in the bone

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