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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination - May 2011**

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

**PATHOLOGY**

**GENERAL PATHOLOGY**

**PAPER – I (Old Scheme)**

## Q.P. CODE : 7381

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. Role of Myofibroblast in health and disease
2. Gene Cloning – merits and demerits

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

3. Demonstration of fungus in Tissues
4. Bioterrorism
5. Non dermatological leprosy
6. Tumour markers
7. Pathogenesis of falciparum malaria
8. Minor histo compatibility antigens

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination - May 2011**

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

**PATHOLOGY**

**HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY**

**PAPER – II (Old Scheme)**

## Q.P. CODE : 7382

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. Enumerate and classify causes of thrombocytopenia. Discuss the pathogenesis and lab diagnosis
2. Discuss recent concepts in automation of cervical cytology

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

3. Diagnostic applications of microscopic examination of urine
4. False positive diagnosis in breast FNAC
5. Congenital dyserythropoeitic anemia
6. Molecular cytogenetics in haematological malignancies
7. Plasmapharesis
8. Amniocentesis

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – May 2011**

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

**PATHOLOGY**

**SYSTEMATIC PATHOLOGY - PAPER – III**

**(Old Scheme)**

## Q.P. CODE : 7383

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 recent advances in investigation of cardiac death
2. Discuss the role of endoscopic biopsy in the diagnosis of gastro intestinal lesions

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

3. Glomeruloid haemangioma
4. Molecular classification of breast cancer
5. Jaundice in paediatric age group
6. Classification of diabetic nephropathy 2010
7. Recent diagnostic and prognostic indicators of endometrial carcinoma
8. Shock lung

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – May 2011**

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

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**PATHOLOGY**

**SYSTEMATIC PATHOLOGY - PAPER – IV**

**(Old Scheme)**

## Q.P. CODE : 7384

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 interpretation of synovial biopsy
2. Discuss advances in diagnosis and classification of thymic epithelial tumors

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

3. Hormone secreting tumors of exocrine origin
4. Glassy cell carcinoma
5. Extra pulmonary small cell tumors
6. Ceroid histiocytosis
7. Solitary fibrous tumor
8. Childhood CNS tumors

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – May 2011**

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

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**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. Classify genetic disorders. Write in detail about single gene disorders of Nonclassic inheritance
2. Discuss classification, chemical nature, pathogenesis and lab diagnosis of amylodosis

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

3. Cytoplasmic filaments in tumors
4. Occupational cancer
5. Telomeres in health and cancer
6. Noninvasive or minimally invasive Autopsy
7. Pathogenesis of ischemic cell injury
8. Fluorescent in situ hybridization (Fish) – utility and technique

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – May 2011**

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

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## PATHOLOGY

### HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY

### PAPER – II (Revised Scheme)

## Q.P. CODE : 7392

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. Describe the role of cytology in the diagnosis of lower respiratory tract lesions
2. Describe the etiopathogenesis, pathology and lab diagnosis of Megaloblastic anaemia

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

3. Investigation in a case of thrombotic disease
4. Semen analysis in Vitro Fertilitzation (IVF) clinic
5. Classification of Acute Lymphoblastic Leukemia
6. Stem cell transplantation
7. Blood components preparation and Usage
8. Myelodysplastic syndrome

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – May 2011**

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

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## 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. Classify Bronchogenic carcinoma. Discuss its aetiopathogenesis, gross, microscopic features and diagnosis
2. Discuss risk factors and prognostic Indices of carcinoma Breast

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

3. Types of Ependymomas
4. Precancerous lesions of skin tumours
5. Fibro lamellar carcinoma
6. Non neoplastic cysts of ovary
7. Vascular pathology in Hypertension
8. Interpretation of Testicular Biopsy

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination - May 2011**

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

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## 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. Describe the current concepts in pathogenesis of atherosclerosis and write in short about morphology and diagnosis of myocardial infarction
2. Discuss the various classifications of lymphomas and write in detail about Burkitt's lymphoma

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

3. Diabetic nephropathy
4. Endomyocardial biopsy
5. Immunology of leprosy
6. Bethesda system reporting of cervico vaginal smears
7. Polymerase chain reaction
8. Stem cells in therapy

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – Nov 2011**

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

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**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. Discuss the role of Myofibroblast in health and disease
2. Discuss mechanical defects in protein folding and its role in disease

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

3. Role of nutrition in cancer
4. Role of Telomerase
5. Mechanism of cell injury
6. Molecular diagnosis of genetic diseases
7. Vitamin D deficiency
8. Role of leptin in obesity

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – Nov 2011**

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

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**PATHOLOGY**

**HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY**

**PAPER – II (Revised Scheme)**

## Q.P. CODE : 7392

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 Anemias of diminished erythropoiesis and write about peripheral smear and bone marrow findings to establish the diagnosis
2. Discuss in detail about urine cytology in metabolic diseases

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

3. Structure and function of HLA and list of disorders associated with certain HLA alleles
4. Role of immunohistochemistry in diagnosis of soft tissue tumors
5. Non infectious vasculitis
6. Myelodysplastic syndrome
7. Plasmapheresis
8. Classify disorders associated with splenomegaly

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination – Nov 2011**

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

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**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. Classify Bronchogenic carcinoma. Discuss its aetiopathogenesis, gross, microscopic features and diagnosis
2. Discuss risk factors and prognostic Indices of carcinoma breast

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

3. Types of Ependymomas
4. Precancerous lesions of skin tumours
5. Fibro lamellar carcinoma
6. Non neoplastic cysts of ovary
7. Vascular pathology in Hypertension
8. Interpretation of Testicular Biopsy

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# Rajiv Gandhi University of Health Sciences

**M.D. Degree Examination - Nov 2011**

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

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**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. Classify autoimmune disease and discuss in detail about Systemic Lupus Erythematosis
2. Discuss about chronic obstructive pulmonary diseases

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

3. Cytoskeletal abnormalities
4. (FISH) Fluorescent In Situ Hybridisation
5. Clinical types and prognosis of Cutaneous Malignant melanoma
6. Hepatitis C viral Infection
7. Perinatal Autopsy
8. Gastro Intestinal polyps

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