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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2010

[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. Discuss the role of ALCOHOL in the causation of human disease
2. Classify and discuss about EMBRYONAL tumors of childhood

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

3. Describe 'High risk' Autopsy
4. Quality assurance in clinical chemistry
5. Tumor marker
6. Chlamydial diseases
7. DIGITAL IMAGING in pathology
8. Utility of PCR in diagnostic pathology

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2010

[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

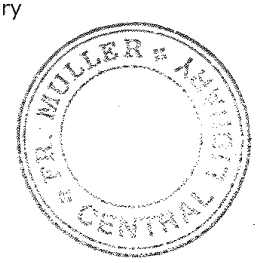
LONG ESSAY **2 X 20 = 40 Marks**

1. Discuss the various aspects of whole blood processing for the purpose of transfusion
2. Cytological features of effusions in the presence and absence of cancers

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

3. Liquid- based cytology in the screening programme against cervical cancer
4. Polycythaemias
5. Role of fine needle aspiration cytology in diagnosis of salivary neoplasms
6. Non thrombocytopenic vascular purpuras
7. Routine and special stains useful in cytology
8. Protocol for instrument evaluation in a clinical laboratory

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

[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 the recent concepts in the etiopathogenesis, pathology and complications of atherosclerosis
2. Discuss the classification and morphology of sex cord stromal tumours of the ovary. Add a note on the role of immunohistochemistry in the diagnosis and prognosis of ovarian tumours

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

3. Applications of immunohistochemistry in prostate biopsy
4. Primary malignant lymphoma of stomach
5. Cystic pancreatic neoplasms
6. Barrett's oesophagus
7. Solitary fibrous tumour of the pleura
8. Metaplasias in female genital tract

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7384_2009_1_S102

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2010

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

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. Classify bullous lesions of the skin. Describe in detail the morphology and immunofluorescence findings of these lesions

2. Discuss the role of liver biopsy in the diagnosis of chronic hepatitis

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

3. Myofibroblastic lesions
4. Anaplastic large cell lymphoma
5. WHO classification of meningiomas
6. Aneurysmal bone cyst
7. Duchenne muscular dystrophy
8. Parathyroid adenoma

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7391_2009_1_S153

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May - 2010

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

PATHOLOGY

GENERAL PATHOLOGY - PAPER – I

(Revised Scheme)

Q.P. CODE : 7391

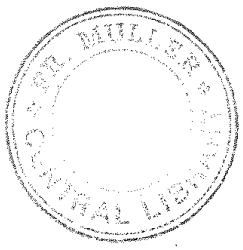
Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

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

1. Classify shock and discuss the recent advances in the pathogenesis and pathology of shock.
2. Discuss the role of Endothelial/Leucocyte adhesion molecules in acute inflammation.

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

3. Role of matrix metalloproteinase in neoplastic progression.
4. Ischemia reperfusion injury.
5. Structure of HLA molecule.
6. Postmortem findings in Sudden infant death syndrome.
7. Telomeras
8. Jak 2 Mutations.



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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May - 2010

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

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 the diagnostic utility of different cytologic techniques in Respiratory tract pathology.
2. Discuss laboratory diagnosis of inherited coagulation disorders.

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

3. Significance of Bombay blood group.
4. Microalbuminuria.
5. Platelet transfusion.
6. Lupus anticoagulant syndrome.
7. Molecular basis of Acute Promyelocytic leukemia.
8. Role of Reticulocyte count in evaluation of anemias.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May - 2010

[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 Colorectal carcinomas with special emphasis on molecular basis.
2. Discuss recent advances in pulmonary lymphoproliferative disorders.

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

3. Risk factors and pathogenesis of gall stones.
4. Pathology of Focal segmental glomerulosclerosis and its variants.
5. Causes and pathology of Diffuse alveolar damage (DAD).
6. Autoimmune hepatitis.
7. Grading of Ductal Ca in situ.
8. Advantages of Bethesda system of reporting Cervical smears.

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7394_2009_1_S153

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May - - 2010

[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 recent advances in the classification and pathogenesis of Burkitts lymphoma.
2. Discuss the pitfalls in the diagnosis of soft tissue tumors of childhood.

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

3. Molecular pathology and prognosis of papillary carcinoma of thyroid.
4. Pathology of neurothecoma.
5. Histologic variants oligodendroglioma.
6. Cystic lesions of spleen.
7. Diagnostic utility of synovial biopsy in nonneoplastic lesions.
8. Minimal deviation melanone

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