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MD (PATHOLOGY) DEGREE EXAMINATION - APRIL 2016

SUBJECT: PAPER I: GENERAL PATHOLOGY, PATHOPHYSIOLOGY, IMMUNOPATHOLOGY AND CYTOPATHOLOGY

Monday, April 18, 2016

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essay:
- 1. Discuss the role of immunofluorescence in renal pathology.

(15 marks)

2. Discuss the cytopreparatory techniques and staining of effusions.

(15 marks)

- 3. Write short notes on:
- 3A. Chronic granulomatous disease
- 3B. Radiation oncogenesis
- 3C. Role of Oxidative stress in cell injury
- 3D. Intraoperative cytology in the diagnosis of pancreatic lesions
- 3E. Pathophysiology of septic shock
- 3F. Role of T cells in transplant rejection
- 3G. Crush smear cytology of glial tumours
- 3H. Tumour immunity
- 3I. Classification of Lysosomal storage disorders
- 3J. Adhesion molecules in inflammation

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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MD (PATHOLOGY) DEGREE EXAMINATION - APRIL 2016

SUBJECT: PAPER II: SYSTEMIC PATHOLOGY

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essay:
- 1. Classify endometrial neoplasms. Discuss the clinicopathologic types, pathogenesis, morphology and immunohistochemistry of endometrial carcinoma.

(3+2+4+4+2 = 15 marks)

2. Classify the extranodal lymphomas. Discuss the morphological features and immunohistochemisry of gastric lymphomas.

(5+5+5=15 marks)

- 3. Write short notes on:
- 3A. Perivascular epithelioid cell tumor
- 3B. Morphology of Lupus nephritis
- 3C. Pathological features of Mesenchymal hamartoma of the Liver
- 3D. Classification and prognostic features of thymoma
- 3E. Langerhans cell histiocytosis
- 3F. Classify Asbestos related lung diseases and describe its pathogenesis
- 3G. Pathology of Desmoplastic small round cell tumor
- 3H. Classify Vasculitis and discuss the features of Medium vessel vasculitis
- 3I. Etiopathogenesis of Renal calculi
- 3J. Functional tumors of the ovary

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER III: HAEMATOLOGY, TRANSFUSION MEDICINE (BLOOD BANKING) AND LABORATORY MEDICINE

Wednesday, April 20, 2016

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- Answer ALL the questions.
- ∠ Long Essay:
- 1. Discuss anaemia of chronic diseases and add a note on role of red cells parameters in its diagnosis.

(15 marks)

2. Discuss quality assurance in blood banking.

(15 marks)

- 3. Write short notes on:
- 3A. Leuco-erythroblastic reaction
- 3B. Bernard Soulier syndrome
- 3C. Plasmapheresis
- 3D. Microalbuminuria
- 3E. Sezary syndrome
- 3F. Chromosomal translocations in acute myeloid leukemia
- 3G. Hemolytic uremic syndrome
- 3H. Minimal residual disease
- 31. Significance of blood indices in clinical hematology
- 3J. Disseminated intravascular coagulation

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$

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MD (PATHOLOGY) DEGREE EXAMINATION - APRIL 2016

SUBJECT: PAPER IV: RECENT ADVANCES AND APPLIED ASPECTS

Thursday, April 21, 2016

Time: 14:00 - 17:00 Hrs.

Max. Marks: 100

- ∠ Answer ALL the questions.
- ∠ Long Essay:
- 1. Discuss the current concepts in pleomorphic sarcomas.

(15 marks)

2. Discuss the recent advances in pathogenesis and pathology of chronic hepatitis.

(15 marks)

- 3. Write short notes on:
- 3A. Advances in endometrial pathology
- 3B. Cancer vaccines
- 3C. Role of microwave in histopathology
- 3D. Current concepts in Hodgkin lymphoma
- 3E. Liquid based cytology in cervical screening
- 3F. Role of Tensins in health
- 3G. Molecular testing for HPV
- 3H. Concept of epithelial mesenchymal transition in neoplasia
- 31. Array CGH
- 3J. Mammary analogue secretory carcinoma

 $(7 \text{ marks} \times 10 = 70 \text{ marks})$