Reg. No.

MANIPAL UNIVERSITY

MD (PATHOLOGY) DEGREE EXAMINATION - APRIL 2007

SUBJECT: PAPER I: GENERAL PATHOLOGY INCLUDING IMMUNOPATHOLOGY

Monday, April 02, 2007

Time: 3 Hrs.

Max. Marks: 100

- Answer all the questions.
- All questions carry equal marks.
- Classify and discuss the aetiopathogenesis of granulomatous diseases.
- 2. Discuss the role of electron microscopy in diagnostic pathology.
- 3. Discuss the role of free radicals in health and disease.
- 4. Write short notes on:
- 4A. Endogenous pigments.
- Pathology of infarct.
- 4C. Tumor-necrosis factor.
- 4D. Restriction fragment length polymorphism.

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MI PATHOLOGY) DEGREE EXAMINATION - APRIL 2007

SUBJECT: PAPER II: SYS EMIC PATHOLOGY

Tuesday, April 03, 2007

Time: 3 Hrs.

Max. Marks: 100

- Answer all the questions.
- All questions carry equal marks
- 1. Discuss the pathology of congenital heart disease.
- 2. Discuss biopsy diagnosis of inflammatory bowel disease.
- 3. Discuss etiopathogenesis and morphology of alcoholic liver disease.
- 4. Write short notes on:
- 4A. Creutzfeld-Jacob disease
- 4B. Kikuchi's lymphadenitis
- 4C. Microglandular hyperplasia of cervix
- 4D. Eosinophilic pneumonia.

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MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER III: ONCOLOGY

Wednesday, April 04, 2007

Time: 3 Hrs. Max. Marks: 100

- & Answer all the questions
- All questions carry equal marks
- 1. Discuss recent advances in colorectal carcinogenesis.
- Discuss preneoplastic and neoplastic disorders of prostate.
- 3. Discuss the role of immunohistochemistry in diagnosis of small round cell tumors.
- 4. Write short notes on:
- 4A. Verrucous carcinoma
- 4B. Lymphomatoid granulomatosis
- 4C. Hepatoid adenocarcinoma of stomach
- 4D. Embryonal sarcoma of liver.

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MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER IV: HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY

Thursday, April 05, 2007

Time: 3 Hrs.

Max. Marks: 100

- Answer all the questions.
- All questions carry equal marks.
- 1. Discuss classification, diagnosis and laboratory findings in myelodysplastic syndromes.
- 2. Discuss flow cytometry. Explain role of flow cytometry in the diagnosis of acute leukemias.
- 3. Discuss the role of FNAC in diagnosis of soft tissue tumors.
- Write short notes on:
- Non- secretory myeloma.
- 4B. Glanzmanns thrombasthenia.
- 4C. Plateletpheresis.
- 4D. Fibrin degradation products.