

Reg. No.

MANIPAL UNIVERSITY

MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER I: GENERAL PATHOLOGY INCLUDING IMMUNOPATHOLOGY

Tuesday, April 01, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All questions carry equal marks.

1. Role of microsatellite instability in neoplasia.
2. Discuss classification, aetiopathogenesis and pathology of amyloidosis.
3. Describe in detail the latest update on pathophysiology of septic shock.
4. Describe Briefly:
 - 4A. Graft versus host disease.
 - 4B. Pathogenesis of HIV infection.
 - 4C. Irreversible cell injury.
 - 4D. Role of cytokines in inflammation.

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MANIPAL UNIVERSITY

MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER II: SYSTEMIC PATHOLOGY

Wednesday, April 02, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All questions carry equal marks.

1. Discuss the role of autopsy in cardiac deaths.
2. Discuss the approach to diagnosis of non-neoplastic synovial lesions.
3. Discuss aneurysms and aortic dissection.
4. Write short notes on:
 - 4A. Classification and pathogenesis of vasculitis.
 - 4B. Pathogenesis of diabetes mellitus – type I.
 - 4C. Tumour like lesions of bone.
 - 4D. Vascular lesions in lymph node.

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MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER III: ONCOLOGY

Thursday, April 03, 2008

Time: 3 Hrs.

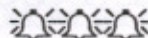
Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **All questions carry equal marks.**

1. Discuss the current concepts in Hodgkin lymphoma.
2. Explain cytokeratin immunostaining profiles in diagnostic tumor Pathology.
3. Discuss the current concepts in classification of thymic neoplasms.
4. Write short notes on:
 - 4A. Mimics of adenocarcinoma prostate on needle biopsies.
 - 4B. CNS tumours – current concepts.
 - 4C. Prognostic indicators in Carcinoma breast.
 - 4D. Langerhans cell histiocytosis.

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MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2008

SUBJECT: PAPER IV: HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY

Friday, April 04, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **All questions carry equal marks.**

1. Discuss the causes and laboratory diagnosis of hereditary thrombophilia.
2. Discuss the pathogenesis and laboratory diagnosis of anemia of chronic disease.
3. Discuss the pitfalls in the cytological evaluation of cystic ovarian lesions.
4. Write short notes on:
 - 4A. International Normalized Ratio and its clinical significance.
 - 4B. AML – M6.
 - 4C. Fluid based cytology.
 - 4D. Coating fixatives.

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