

Reg. No.

MANIPAL UNIVERSITY

MD (PATHOLOGY) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER I: GENERAL PATHOLOGY INCLUDING IMMUNOPATHOLOGY

Monday, October 06, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **All questions carry equal marks.**

1. Discuss the recent advances in the etiopathogenesis of HIV infection. Add a note on major abnormalities of immune function in AIDS.
2. Discuss the role of endothelial cells in response to tissue injury.
3. Discuss the role of collagen in health and disease.
4. Write short notes on:
 - 4A. Paraneoplastic syndrome.
 - 4B. Marfan syndrome.
 - 4C. Pathogenesis of secondary amyloidosis.
 - 4D. Oncogenic RNA viruses.



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MD (PATHOLOGY) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER II: SYSTEMIC PATHOLOGY

Tuesday, October 07, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **All questions carry equal marks.**

1. Discuss the role of testicular biopsy in the evaluation of a case of male infertility.
2. Elaborate on the pathogenesis and morphologic patterns of Helicobacter gastritis.
3. Discuss the morphologic findings on renal biopsy in case of nephritic syndrome. What is the role of immunofluorescent microscopy in such a scenario?
4. Write briefly on:
 - 4A. Partial mole.
 - 4B. Granulomatous mastitis.
 - 4C. Morphology of lymph node in persistent generalized lymphadenopathy.
 - 4D. Hereditary hyperbilirubinemia.



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MD (PATHOLOGY) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER III: ONCOLOGY

Thursday, October 09, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ All questions carry equal marks.

1. Discuss recent advances in the classification of lymphomas with a note on pathogenesis of Burkitt lymphoma.
2. Describe the current concepts in pleomorphic sarcomas.
3. Discuss the latest classification and pathology of renal cell carcinoma.
4. Write short notes on:
 - 4A. Serrated polyps of colorectum.
 - 4B. Langerhans cell histiocytoses.
 - 4C. HER2/neu in breast cancer.
 - 4D. PNET.



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MD (PATHOLOGY) DEGREE EXAMINATION – OCTOBER 2008

SUBJECT: PAPER IV: HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY

Friday, October 10, 2008

Time: 3 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **All questions carry equal marks.**

1. Discuss bone marrow changes in HIV disease.
2. Discuss methods used for minimal residual disease detection in acute leukemia.
3. Discuss role of FNAC in diagnosis of lung lesions. Mention indications and complications of FNAC lung.
4. Write short notes on:
 - 4A. Automated urinalysis.
 - 4B. Leukaemoid reaction.
 - 4C. Coomb's test.
 - 4D. Hemolytic-uremic syndrome.

