

MANIPAL UNIVERSITY**MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2009****SUBJECT: PAPER II: SYSTEMIC PATHOLOGY**

Thursday, April 02, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **ALL questions carry equal marks.**

1. Mention the types of vasculitis. Discuss the pathology and differential diagnosis of granulomatous vasculitidis.
2. Discuss the aetiopathogenesis and pathology of pneumonia in an immunocompromised host.
3. Discuss the pathology of neonatal cholestasis.
4. Write short notes on:
 - 4A. Pathogenesis of complications of Diabetes mellitus.
 - 4B. Pathology of alpha 1 antitrypsin deficiency diseases.
 - 4C. Renal lesions in SLE.
 - 4D. Cutaneous tuberculosis.



Reg. No.

MANIPAL UNIVERSITY

MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER III: ONCOLOGY

Friday, April 03, 2009

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Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ ALL questions carry equal marks.

1. Discuss the pathology of germ cell tumors of the testis.
2. Classify and discuss the pathology of Hodgkin lymphoma.
3. Discuss gastrointestinal neuroendocrine tumours.
4. Write short notes on:
 - 4A. Medullary carcinoma of the thyroid
 - 4B. Liposarcoma
 - 4C. Borderline ovarian tumors
 - 4D. Cholangiocarcinoma



Reg. No.

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MANIPAL UNIVERSITY

MD (PATHOLOGY) DEGREE EXAMINATION – APRIL 2009

SUBJECT: PAPER IV: HAEMATOLOGY, CLINICAL PATHOLOGY AND CYTOLOGY

Saturday, April 04, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ ALL questions carry equal marks.

1. Discuss the role of synovial fluid analysis in health and disease.
2. Discuss the role of cytology in the diagnosis of breast lesions.
3. Discuss the classification of acute leukemia.
4. Write short notes on:
 - 4A. Inhibitors of Coagulation.
 - 4B. Laboratory diagnosis of megaloblastic anemia.
 - 4C. Diagnosis of myelodysplastic syndromes.
 - 4D. Bone marrow stem cells.

