

Reg. No.

MANIPAL UNIVERSITY

SECOND MBBS DEGREE EXAMINATION – MAY 2012

SUBJECT: PATHOLOGY – PAPER I (ESSAY)

Wednesday, May 02, 2012

Time: 10:30 – 13:00 Hrs.

Maximum Marks: 60

✍ **All questions are compulsory.**

✍ **Illustrate your answers with diagrams, flow charts, tables etc. wherever required.**

1. Define Neoplasia. Mention three DNA viruses that cause human cancer. Give one example of a disease caused by each virus. Discuss the mechanism of action of one of the DNA viruses.

(2+3+5 = 10 marks)

2. A 50 year old woman comes to hospital with severe anemia, glossitis, loss of appetite, tingling and numbness of both lower limbs and difficulty in walking.

2A. What is the probable diagnosis?

2B. Describe the laboratory findings, peripheral smear picture and bone marrow findings in this case.

(2+8 = 10 marks)

3. **Write short notes on the following:**

3A. Mechanisms of phagocytosis.

3B. Local and systemic factors that influence wound healing.

3C. Dystrophic calcification.

3D. Morphologic features of Lepromatous leprosy.

3E. Stages and significance of ESR.

3F. Gross and microscopy of spleen in Amyloidosis.

3G. Define Infarct and mention factors influencing development of white infarct.

3H. Classify Hodgkin lymphoma and describe the microscopy of any one subtype.

(5×8 = 40 marks)



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Thursday, May 03, 2012

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Maximum Marks: 60

✍ **All questions are compulsory.**

✍ **Illustrate your answers with diagrams, flow charts, tables etc wherever required.**

1. Classify Testicular tumors. Describe the gross and microscopy of Classical Seminoma.
(4+6 = 10 marks)

2. A 25 years old lady, with history of chronic rheumatic carditis came to the out patient department with a history of fever with chills and pain in the left hypochondrium. She gives history of dental extraction 3 weeks back.

2A. What is your diagnosis?

2B. Discuss the pathogenesis of the condition.

2C. Describe the gross and microscopic features of heart in this condition.

(2+4+4 = 10 marks)

3. **Write short notes on the following:**

3A. Pathogenesis of Emphysema.

3B. Pathogenesis of Hashimoto thyroiditis.

3C. Gross and microscopic features of Basal cell carcinoma.

3D. Morphology of Alcoholic cirrhosis.

3E. Types and pathology of Hydatidiform mole.

3F. CSF findings in Pyogenic meningitis.

3G. Laboratory diagnosis of Post streptococcal glomerulonephritis.

3H. Morphology of Crohn disease.

(5×8 = 40 marks)

