

MANIPAL UNIVERSITY
SECOND MBBS DEGREE EXAMINATION – MAY 2016
SUBJECT: PATHOLOGY – PAPER I (ESSAY)

Monday, May 02, 2016

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

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

1. What are the components and fate of Ghon complex? Describe the morphology of lung in secondary pulmonary tuberculosis. Discuss in brief the complications of pulmonary tuberculosis.

(2+1+4+3 = 10 marks)

2. A 55 year old lady presented with progressive fatigue and tiredness for last one month. She also complained of tingling and numbness in the lower limbs. On examination she had pallor and her tongue had a glossy appearance.

2A. What is your diagnosis?

2B. What is the cause for neurological symptoms in this condition?

2C. What are the peripheral smear and bone marrow findings in this condition?

2D. Which specific tests would you like to do to diagnose this condition?

(2+2+4+2 = 10 marks)

3. **Write short notes on:**

3A. Morphology of Diabetic Nephropathy

3B. Role of Vasoactive amines in acute inflammation

3C. Morphology of Burkitt Lymphoma

3D. Clinical features of Klinefelter Syndrome

3E. Steps involved in chemical carcinogenesis

3F. Lab diagnosis of chronic myeloid leukemia

3G. Fate of thrombus

3H. Morphological changes in apoptosis

3I. Chemotaxis in acute inflammation

3J. Mechanism of edema in congestive heart failure

3K. Principle and interpretation of Osmotic fragility test

3L. Role of Rb gene in tumor suppression

3M. Chronic graft versus host disease

3N. Morphology of lepromatous leprosy

3O. Variants of Reed Sternberg cell

(4 marks × 15 = 60 marks)



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MANIPAL UNIVERSITY

SECOND MBBS DEGREE EXAMINATION – MAY 2016

SUBJECT: PATHOLOGY – PAPER II (~~MCQ~~) (ESSAY)

Tuesday, May 03, 2016

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **Answer ALL the questions:**

1. Define acute myocardial infarction. List the types. Discuss the morphology, laboratory diagnosis and complications of myocardial infarction

(2+2+6 = 10 marks)

2. A 50-year multiparous lady presented with postcoital bleeding. She was married at the age of 13 years. Per speculum examination showed an ulcer with induration and granular surface that bled on touch. What is the diagnosis in this case? Discuss the etiopathogenesis and morphology of this lesion. Describe cervical precancerous lesions and the role of PAP smear.

(1+4+2+3 = 10 marks)

3. **Write short notes on:**

3A. Morphology of pleomorphic adenoma

3B. Pathogenesis of emphysema

3C. Helicobacter pylori associated gastritis

3D. Renal lesions in diabetes mellitus

3E. Morphology of seminoma

3F. Pheochromocytoma

3G. CSF in pyogenic meningitis

3H. Basal cell carcinoma

3I. Morphologic features of Laennec cirrhosis

3J. Etiopathogenesis of acute pancreatitis

3K. Stages of lobar pneumonia

3L. Granular contracted kidney and its morphology

3M. Osteosarcoma

3N. Pathogenesis of Hashimoto's thyroiditis

3O. Morphology of meningioma

(4 marks × 15 = 60 marks)

