

MANIPAL UNIVERSITY**SECOND MBBS DEGREE EXAMINATION – MAY 2011****SUBJECT: PATHOLOGY – PAPER I (ESSAY)**

Tuesday, May 03, 2011

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 Shock. Mention the types of Shock. What are the stages of Shock? Discuss the pathogenesis of Septic shock.

(1+2+2+5 = 10 marks)

2. A 26 year old pregnant lady presents with history of easy fatiguability and weakness of 3 months duration. On examination, she was pale and had spoon shaped nails.

2A. What is your diagnosis?

2B. Describe the peripheral blood smear and bone marrow aspiration findings in this case.

2C. Discuss the laboratory investigations you would like to do to confirm your diagnosis.

(2+4+4 = 10 marks)

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

3A. Difference between Necrosis and Apoptosis.

3B. Dystrophic calcification – morphology and pathogenesis.

3C. Down syndrome.

3D. Mechanism of Healing by first intention.

3E. Define Paraneoplastic syndromes. Discuss causal mechanism of endocrinopathies presented as paraneoplastic conditions with 2 examples each.

3F. Laboratory diagnosis of Chronic myeloid leukemia.

3G. Discuss pathogenesis of Granuloma formation.

3H. Mechanism of Phagocytosis.

(5×8 = 40 marks)



MANIPAL UNIVERSITY
SECOND MBBS DEGREE EXAMINATION – MAY 2011
SUBJECT: PATHOLOGY - PAPER II (ESSAY)

Wednesday, May 04, 2011

Time: 10:30 – 13:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL questions.**

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

1. Classify Ovarian tumours and describe the morphological features of Dysgerminoma.
(5+5 = 10 marks)

2. A 50 year old male presented with bleeding per rectum, weight loss, abdominal pain, anorexia, and altered bowel habits. Examination revealed a mass in the left iliac fossa. Colonoscopy revealed ulceration and narrowing of the lumen in the sigmoid colon. The proximal and distal mucosa was normal.
 - 2A. What is your diagnosis?
 - 2B. Discuss in detail the etiopathogenesis of this condition.
 - 2C. Discuss the morphological features of this condition.(1+5+4 = 10 marks)

3. **Write short notes on the following:**
 - 3A. Atherosclerotic Aneurysm
 - 3B. Morphology and pathogenesis of Hashimoto thyroiditis
 - 3C. Morphology of Acute Rheumatic carditis
 - 3D. Light microscopy of lupus nephritis
 - 3E. Silicosis
 - 3F. Fulminant Hepatitis
 - 3G. CSF findings in Tuberculous meningitis
 - 3H. Morphology of Giant cell tumour of bone(5×8 = 40 marks)

