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MANIPAL UNIVERSITY

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SECOND MBBS DEGREE EXAMINATION – MAY 2010

SUBJECT: PATHOLOGY – PAPER I (ESSAY)

Tuesday, May 04, 2010

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 Acute Inflammation and list its cardinal signs. Discuss the vascular events and the various mechanisms for increased vascular permeability in acute inflammation.

(1+1+3+5 = 10 marks)

2. A 28 year old pregnant female presented with pallor and severe paraesthesia in both the lower limbs. On examination her tongue showed a shiny and glazed appearance.

2A. Give your diagnosis.

2B. Discuss the laboratory diagnosis of the condition.

2C. Discuss the pathogenesis of the autoimmune disorder associated with this condition.

(2+5+3 = 10 marks)

3. Write short notes on:

3A. Pathogenesis of Edema in Congestive heart failure with flow chart.

3B. Laboratory diagnosis of Chronic Myeloid leukemia.

3C. Mechanism of metastasis in malignant tumors.

3D. Gross and microscopy of Fatty liver.

3E. Factors affecting wound healing.

3F. Pathogenesis of type II Diabetes Mellitus.

3G. Mechanism of HIV entry into host cells.

3H. Define Apoptosis and discuss its mechanism.

(5×8 = 40 marks)

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SECOND MBBS DEGREE EXAMINATION – MAY 2010

SUBJECT: PATHOLOGY - PAPER II (ESSAY)

Wednesday, May 05, 2010

Time: 10:30 – 13:00 Hrs.

Maximum Marks: 60

✍ Answer ALL questions.

✍ Draw diagrams and flow charts, tables, etc. wherever appropriate.

1. Describe the etiopathogenesis of Inflammatory Bowel Disease. Tabulate the morphological differences between Ulcerative colitis and Crohn Disease. Mention two complications of Ulcerative Colitis.

(3+5+2 = 10 marks)

2. A 10 year old student comes to the hospital with complaints of fever and initial swelling of the left knee joint, which was followed by swelling of the right knee joint. There was history of pharyngitis 6 weeks back. On examination there was tachycardia, weak heart sounds and a pericardial friction rub. Laboratory investigation revealed elevated acute phase reactants.

2A. What is your diagnosis?

2B. Discuss the pathogenesis and morphology of the target organ in the above condition.

(2+3+5= 10 marks)

3. Write short notes on the following:

3A. Cystosarcoma Phyllodes

3B. Steps in Fracture healing

3C. CSF findings in meningitis

3D. Etiopathogenesis of Bronchogenic carcinoma

3E. Classification of Ovarian tumors

3F. Morphology of Seminoma

3G. Pathogenesis of Alcoholic Liver Disease

3H. Morphological features of Diabetic Nephropathy

(5×8 = 40 marks)

