

Reg. No. 

--	--	--	--	--	--	--	--	--	--

## MANIPAL UNIVERSITY

SECOND MBBS DEGREE EXAMINATION – NOV/DEC 2009

SUBJECT: PATHOLOGY: PAPER – I (ESSAY)

Tuesday, November 24, 2009

Health Sciences Library

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 necrosis. Describe the different types of necrosis with examples for each type.  
(2+8 = 10 marks)

2. A lady aged 50 years presented with easy fatigability, weakness, weight loss and dragging sensation in the abdomen. On examination, she was having pallor and marked splenomegaly. Her total WBC count of  $82,500/\text{mm}^3$  and the LAP score was low. She was admitted to oncology ward for treatment.

2A. What is your diagnosis?

2B. What are the possible peripheral smear and bone marrow findings in the different stages of this disease?

(2+8 = 10 marks)

3. Write short notes on:

3A. Describe the mechanism of phagocytosis.

3B. What are the factors which delay wound healing?

3C. Describe delayed type hypersensitivity reaction with two examples.

3D. Morphology of primary pulmonary tuberculosis and its complications.

3E. Laboratory diagnosis of Iron deficiency anemia.

3F. Define Tumor markers and give four examples.

3G. Fat embolism.

3H. Niemann Pick disease.

Health Sciences Library

(5×8 = 40 marks)



