

## MANIPAL UNIVERSITY

SECOND BDS DEGREE EXAMINATION – JUNE 2014

SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)

Friday, June 20, 2014

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- ✍ Answer all the questions. Answer section A & B in TWO separate answer books.
- ✍ Write brief, clear, relevant and legible answers. Illustrate your answers with diagrams, flow charts wherever appropriate.

**SECTION "A": GENERAL PATHOLOGY (30 MARKS)**

1. Define Anemia, Classify Anemias, List the lab investigations and describe the peripheral smear and bone marrow findings in Megaloblastic anemia.

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

**2. Write short notes on:**

- 2A. Infarction  
2B. Pleomorphic adenoma  
2C. Primary wound healing  
2D. Morphology of atheroma  
2E. Ghon Focus

(4 marks × 5 = 20 marks)

**SECTION "B": MICROBIOLOGY (30 MARKS)**

3. Classify *Mycobacteria*. Describe the pathogenesis and laboratory diagnosis of *Pulmonary tuberculosis*. Add a note on Prophylaxis.

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

**4. Write short notes on:**

- 4A. Enriched media  
4B. Bacterial pili  
4C. Candidiasis  
4D. Laboratory diagnosis of HIV  
4E. Eggs of Round worm and Hook worm

(4 marks × 5 = 20 marks)