

**MANIPAL UNIVERSITY****SECOND BDS DEGREE EXAMINATION – JUNE 2015****SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)  
(NEW REGULATION)**

Monday, June 22, 2015

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 inflammation. Describe in detail the vascular events of inflammation. Enumerate the differences between transudate and exudate.

(2+4+4 = 10 marks)

2. **Write short notes on:**

- 2A. Mention the opportunistic infections and tumours seen in AIDS.
- 2B. Discuss the mechanism of type II hypersensitivity with examples.
- 2C. Describe the morphology and fate of a venous thrombus.
- 2D. Describe the clinical features and genetic abnormality in Down syndrome.
- 2E. Describe the process of fracture healing.

(4 marks × 5 = 20 marks)

**SECTION “B”: MICROBIOLOGY (30 MARKS)**

1. Describe the pathogenesis, laboratory diagnosis and prophylaxis of Hepatitis B.

(3+4+3 = 10 marks)

2. **Write short notes on:**

- 2A. Hot air sterilization
- 2B. Serodiagnosis of Syphilis
- 2C. Prophylaxis of tetanus
- 2D. Agglutination reaction
- 2E. Life cycle of *Entamoeba histolytica*

(4 marks × 5 = 20 marks)

