

MANIPAL UNIVERSITY**SECOND BDS DEGREE EXAMINATION – JULY 2016****SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)**

Monday, July 18, 2016

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 Thrombosis. Discuss the etiopathogenesis of thrombus formation. What is the fate of a thrombus?

(1+5+4 = 10 marks)

2. Write short notes on:

- 2A. Opportunistic infections in AIDS
2B. Granulomatous Inflammation
2C. Differences between Apoptosis and Necrosis
2D. Osteosarcoma
2E. Chemical Carcinogenesis

(4 marks × 5 = 20 marks)

SECTION “B”: MICROBIOLOGY (30 MARKS)

1. Define and classify immunity. Describe innate immunity in detail.

(1+2+7 = 10 marks)

2. Write short notes on:

- 2A. Autoclave
2B. DPT vaccine
2C. Oral thrush
2D. Laboratory diagnosis of HIV infection
2E. Morphology of *Entamoeba histolytica*

(4 marks × 5 = 20 marks)

