

Reg. No. _____



MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND BDS DEGREE EXAMINATION – DECEMBER 2018
SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)

Thursday, December 27, 2018

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. Discuss briefly the process of wound healing by primary intention. Mention the factors influencing and the complications of wound healing.

(4+3+3 = 10 marks)

2. Write short notes on:

- 2A. Discuss the fate of a thrombus
- 2B. Morphology of osteomyelitis
- 2C. Mechanism of Type I hypersensitivity
- 2D. Define and mention routes of metastasis
- 2E. Definition, mechanism and examples of dystrophic calcification

(4 marks × 5 = 20 marks)

SECTION "B": MICROBIOLOGY (30 MARKS)

1. Name two sexually transmitted diseases other than Syphilis. Describe the pathogenesis and laboratory diagnosis of Syphilis.

(1+4+5 = 10 marks)

2. Write short notes on:

- 2A. Elek's Gel precipitation test
- 2B. Life cycle of *Ascaris lumbricoides*
- 2C. Systemic fungi causing oral lesions
- 2D. Autoclave
- 2E. Laboratory diagnosis of Hepatitis B virus infection

(4 marks × 5 = 20 marks)