

MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND BDS DEGREE EXAMINATION – JUNE 2019
SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)

Monday, June 24, 2019

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 pathogenesis, complications and fate of thrombus.
(1+5+2+2 = 10 marks)
2. Write short notes on:
 - 2A. Metastatic cascade
 - 2B. Factors influencing wound healing
 - 2C. Types of cellular adaptations with an example for each
 - 2D. Molecular pathogenesis of Chronic myeloid leukemia
 - 2E. Enumerate briefly the cellular events of acute inflammation(4 marks × 5 = 20 marks)

SECTION "B": MICROBIOLOGY (30 MARKS)

1. Enumerate the *Antigen Antibody* reactions. Describe the *Precipitation* and *Agglutination* reactions.
(2+4+4 = 10 marks)
2. Write short notes on:
 - 2A. Candidiasis
 - 2B. Bacterial toxins
 - 2C. Laboratory diagnosis of Malaria
 - 2D. Pathogenesis of *Staphylococcus aureus*
 - 2E. Culture methods for Anaerobic Bacteria(4 marks × 5 = 20 marks)

