

MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND BDS DEGREE EXAMINATION – DECEMBER 2017
SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)

Monday, December 18, 2017

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. Mention various pathways of spread of cancers. Enumerate 5 differences between benign and malignant tumours.
(5+5 = 10 marks)

2. Write short notes on:
 - 2A. Pathogenesis of amyloidosis
 - 2B. Typhoid ulcer
 - 2C. Fate of thrombus
 - 2D. Ameloblastoma
 - 2E. Peripheral smear and bone marrow findings in megaloblastic anemia(4 marks × 5 = 20 marks)

SECTION "B": MICROBIOLOGY (30 MARKS)

1. Classify Hypersensitivity reactions. Describe Type II and Type III hypersensitivity reactions.
(2+3+5 = 10 marks)

2. Write short notes on:
 - 2A. Pathogenesis of *Corynebacterium diphtheriae*
 - 2B. Life cycle of Hook worm
 - 2C. Candidiasis
 - 2D. Bacterial conjugation
 - 2E. Morphology of HIV(4 marks × 5 = 20 marks)

