

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

Monday, November 30, 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 anaemia. Enumerate the causes of megaloblastic anaemia. Describe the laboratory diagnosis of megaloblastic anaemia.

(2+2+6 = 10 marks)

2. Write short notes on:

- 2A. Morphology of ameloblastoma
2B. Discuss the mechanism of type III hypersensitivity with examples
2C. Pathogenesis of septic shock
2D. Gross and microscopic features of atherosclerosis
2E. Phagocytosis

(4 marks × 5 = 20 marks)

SECTION “B”: MICROBIOLOGY (30 MARKS)

1. Enumerate the antigen – antibody reaction. Write in detail about agglutination reactions.

(4+6 = 10 marks)

2. Write short notes on:

- 2A. Bacterial endospore
2B. Prophylaxis of tetanus
2C. Herpes Simplex Virus - type 1
2D. Oral microbial flora
2E. Life cycle of malarial parasite

(4 marks × 5 = 20 marks)

