

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

Wednesday, August 01, 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. Define anemia. Explain the pathophysiology of iron deficiency anemia. Discuss the laboratory diagnosis of iron deficiency anemia.

(2+4+4 = 10 marks)

2. **Write short notes on:**

- 2A. Morphology of ameloblastoma ,
- 2B. List 8 differences between benign and malignant tumors
- 2C. List the factors influencing wound healing
- 2D. Microscopic features of atherosclerotic plaques
- 2E. Pathogenesis of cardiogenic shock .

(4 marks × 5 = 20 marks)

SECTION “B”: MICROBIOLOGY (30 MARKS)

1. Define and classify hypersensitivity. Describe in detail about type I hypersensitivity reaction.

(1+2+7 = 10 marks)

2. **Write short notes on:**

- 2A. Peripheral (secondary) lymphoid organs
- 2B. Laboratory diagnosis of amoebiasis
- 2C. Laboratory diagnosis of HIV infection .
- 2D. Enzymes and toxins produced by *Staphylococcus aureus* -
- 2E. Actinomycosis

(4 marks × 5 = 20 marks)