

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND BDS DEGREE EXAMINATION – JUNE 2006**SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)**

Thursday, June 01, 2006

Time available: 14.30 – 17.00 Hours

Maximum Marks: 80

*ANSWER SECTION A & B IN TWO SEPARATE ANSWER BOOKS**Draw diagrams wherever appropriate***SECTION "A": GENERAL PATHOLOGY: 40 MARKS**

1. Define inflammation. Mention the morphological types of inflammation. Describe the vascular and cellular events of acute inflammation.

(2+1+3+4 =10 marks)

2. Write short answers on the following:

- 2A. Air embolism.
2B. Megaloblastic anemia.
2C. Types of necrosis with examples.
2D. Primary tuberculosis of lung.
2E. Differences between benign and malignant tumours.
2F. Fracture healing.

(5×6 = 30 marks)

SECTION "B": MICROBIOLOGY: 40 MARKS

3. Define and classify Hypersensitivity Reactions. Describe anaphylaxis.

(1+2+7 = 10 marks)

4. Write short notes on:

- 4A. Bacterial capsule
4B. Widal test
4C. Oral protozoal parasites
4D. Actinomycosis
4E. Autoclave
4F. Laboratory diagnosis of HIV infection.

(5×6 = 30 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND BDS DEGREE EXAMINATION – AUGUST 2006**SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY)**

Thursday, August 03, 2006

Time available: 14.30 – 17.00 Hours

Maximum Marks: 80

ANSWER SECTION A & B IN TWO SEPARATE ANSWER BOOKS.**Draw diagrams wherever appropriate.****SECTION "A": GENERAL PATHOLOGY: 40 MARKS**

1. Define the term 'Neoplasia'. Discuss the differences between benign and malignant tumors. Give four examples for each type.

(1+5+4 = 10 marks)

2. Write short notes on all the following:

- 2A. Chemotaxis.
- 2B. Complications of wound healing.
- 2C. Blood picture in Iron deficiency anemia.
- 2D. Cancrum Oris.
- 2E. Pathogenesis of Septic Shock.
- 2F. Classification of Acute Leukemia.

(5×6 = 30 marks)

SECTION "B": MICROBIOLOGY: 40 MARKS

3. Describe the oral lesions produced by *Treponema pallidum*. Explain the laboratory diagnosis of syphilis.

(3+7 = 10 marks)

4. Write short notes on:

- 4A. Bacterial flagella.
- 4B. Laboratory diagnosis of diphtheria.
- 4C. Eggs of *Ancylostoma duodenale* and *Ascaris lumbricoides*.
- 4D. Oral thrush.
- 4E. Pathogenesis of HIV infection.
- 4F. Anaerobic culture methods of bacteria.

(5×6 = 30 marks)

