

## MANIPAL UNIVERSITY

### SECOND BDS DEGREE EXAMINATION – JUNE 2011

#### SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY) (NEW REGULATION)

Friday, June 24, 2011

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- ✗ 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. Give a schematic representation of the HIV virus and a brief summary of the natural history and laboratory diagnosis.
- (3+4+3 = 10 marks)

2. Write short notes on:

- 2A. Secondary syphilis.
- 2B. Pleomorphic adenoma.
- 2C. Healing by secondary intention.
- 2D. Morphology of atherosclerotic plaque.
- 2E. Hypertrophy.

(4×5 = 20 marks)

#### SECTION "B": MICROBIOLOGY: 30 MARKS

3. Describe the pathogenesis and laboratory diagnosis of pulmonary tuberculosis.
- (4+6 = 10 marks)

4. Write short notes on:

- 4A. Immunofluorescence.
- 4B. Actinomycosis.
- 4C. Diagnosis of hepatitis B virus infection.
- 4D. Candidiasis.
- 4E. Life cycle of *Ancylostoma duodenale*.

(4×5 = 20 marks)



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(OLD REGULATION)**

Friday, June 24, 2011

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

- ✍ 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: 40 MARKS**

1. Define and classify Anemias and write about peripheral smear and bone marrow picture of Megaloblastic anemia.

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

**2. Write short notes on the following:**

- 2A. Hypertrophy.
- 2B. Idiopathic Thrombocytopenic Purpura (ITP).
- 2C. Morphology of atheroma.
- 2D. Enumerate the differences between benign and malignant tumors.
- 2E. Hyaline change.
- 2F. Healing by primary intention.

(5×6 = 30 marks)

**SECTION "B": MICROBIOLOGY: 40 MARKS**

3. Define and classify immunity. Describe innate immunity.

(1+3+6 = 10 marks)

**4. Write short notes on:**

- 4A. Louis Pasteur.
- 4B. Flagella.
- 4C. Oral microbial flora.
- 4D. Modes of transmission and prevention of HIV.
- 4E. Microfilaria.
- 4F. Prophylaxis of tetanus.

(5×6 = 30 marks)

