

MANIPAL UNIVERSITY

SECOND BDS DEGREE EXAMINATION – JUNE 2012

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

Friday, June 22, 2012

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. Define inflammation. Mention the cardinal features of inflammation. Discuss the cellular events of inflammation.
(1+2+7 = 10 marks)
2. **Write short notes on:**
 - 2A. Factors affecting and complications of wound healing
 - 2B. Osteosarcoma
 - 2C. Metaplasia
 - 2D. Type IV hypersensitivity reaction
 - 2E. Peripheral blood smear and bone marrow findings in megaloblastic anemia
(4×5 = 20 marks)

SECTION "B": MICROBIOLOGY: 30 MARKS

3. Describe in detail the morphology of a bacterial cell.
(10 marks)
4. **Write short notes on:**
 - 4A. Streptococcal pharyngitis
 - 4B. Oral microbial flora
 - 4C. Immunoprophylaxis of Hepatitis B infection
 - 4D. T-cells
 - 4E. Laboratory diagnosis of amoebiasis
(4×5 = 20 marks)



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SECOND BDS DEGREE EXAMINATION – JUNE 2012

SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY (ESSAY) (OLD REGULATION)

Friday, June 22, 2012

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 thrombosis. Discuss the pathophysiology and fate of thrombus. (1+6+3 = 10 marks)

2. **Write short notes on:**
 - 2A. Types of necrosis with one example for each
 - 2B. Causes of metastatic calcification
 - 2C. Hemophilia
 - 2D. Complications of wound healing
 - 2E. Pleomorphic adenoma
 - 2F. Differences between benign and malignant tumors(5×6 = 30 marks)

SECTION "B": MICROBIOLOGY: 40 MARKS

3. Define Sterilization and Disinfection. Describe the method of sterilization by steam under pressure. (2+8 = 10 marks)

4. **Write short notes on:**
 - 4A. Prophylaxis of Tetanus
 - 4B. Oral thrush
 - 4C. Herpes simplex virus
 - 4D. Passive Immunity
 - 4E. Falciparum malaria
 - 4F. Koch's Postulates(5×6 = 30 marks)

