

# Question Paper

Exam Date & Time: 01-Oct-2021 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - OCTOBER 2021  
SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY

Marks: 60

Duration: 165 mins.

 Answer all the questions.

 Illustrate your answers with diagrams wherever necessary.

### SECTION - A: GENERAL PATHOLOGY

1. Define shock. Mention the types of shock. Discuss the pathogenesis of septic shock.

(2+2+6 = 10 marks)

2. Short notes:

2A. Classify Chemical carcinogens.

2B. Morphological patterns of necrosis with one example each.

2C. Define granuloma and describe the morphology with a diagram.

2D. List the AIDS defining opportunistic infections.

2E. Morphology of osteosarcoma.

(4 marks × 5 = 20 marks)

### SECTION - B: MICROBIOLOGY

3. Describe the morphology of a bacterial cell with a neat labelled diagram.

(7+3 = 10 marks)

4. Write short notes on:

4A. Conjugation.

4B. Acquired immunity.

4C. Laboratory diagnosis of diphtheria.

4D. Structure of Human Immunodeficiency virus.

4E. Enriched culture media.

(4 marks × 5 = 20 marks)

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