

Question Paper

Exam Date & Time: 04-Jul-2023 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION – JULY 2023

SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY

Marks: 60

Duration: 165 mins.

SECTION A - GENERAL PATHOLOGY (30 MARKS)

Answer all the questions.

Illustrate your answers with diagrams wherever necessary

- 1) Enlist the risk factors of atherosclerosis and briefly describe its pathogenesis and morphology with a neat diagram. (3+3+4 = 10 marks)

- 2) **Write short notes on**
 - 2A) Rickets (4)
 - 2B) Morphology of squamous cell carcinoma with diagram (4)
 - 2C) Pathogenesis of osteoporosis (4)
 - 2D) Morphology of blood vessels in hypertension (4)
 - 2E) Differences between benign and malignant tumors (4)

SECTION B - MICROBIOLOGY (30 MARKS)

Answer all the questions.

Draw diagrams wherever necessary

- 3) Explain the structure of a bacterial cell with a neat, labelled diagram. (7+3 = 10 marks)

- 4) **Write Short Notes on**
 - 4A) Acquired immunity (4)
 - 4B) Life cycle of *Ascaris lumbricoides* (4)
 - 4C) Laboratory diagnosis of diphtheria (4)
 - 4D) Structure of Human Immunodeficiency Virus (4)
 - 4E) Non specific tests for syphilis (4)

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