

Question Paper

Exam Date & Time: 05-Jan-2024 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND BDS DEGREE EXAMINATION - JANUARY 2024
SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY
(REGULAR BATCH)

Marks: 60

Duration: 165 mins.

SECTION A - GENERAL PATHOLOGY (30 MARKS)

Answer all the questions.

Draw diagrams wherever necessary

- 1) Define Necrosis. Describe the morphology of any 4 types of necrosis with suitable examples. (2+8 = 10 marks)

- 2) **Short Answer Questions:**
 - 2A) Lab diagnosis of Chronic myeloid leukemia (4)
 - 2B) Tumor suppressor gene (4)
 - 2C) Chronic viral hepatitis (4)
 - 2D) Morphology of primary tuberculosis (4)
 - 2E) Pathways of metastasis (4)

SECTION B - MICROBIOLOGY (30 MARKS)

Answer ALL questions.

Draw diagrams wherever necessary.

- 3) Describe the pathogenesis and laboratory diagnosis of syphilis (5+5 = 10 marks)

- 4) **Write short notes on:**
 - 4A) Microfilariae (4)
 - 4B) Four differences between T and B lymphocytes (4)
 - 4C) Bacteriophage (4)
 - 4D) Transmission and laboratory diagnosis of Herpes simplex virus-1 (HSV-1) (4)
 - 4E) Koch's postulates (4)

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