

Question Paper

Exam Date & Time: 11-Jan-2023 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION – JANUARY 2023

SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY
(REGULAR BATCH)

Marks: 60

Duration: 165 mins.

SECTION A - GENERAL PATHOLOGY (30 MARKS)

Answer all the questions.

- 1) Discuss the causes, lab diagnosis, and clinical features of microcytic hypochromic anemia (2+6+2 = 10)

2. **Short Answer Questions:**
 - 2A) Tumor suppressor gene with suitable examples. (4)
 - 2B) Clinical feature of Vitamin A deficiency. (4)
 - 2C) Morphology of Basal cell carcinoma. (4)
 - 2D) Definition of hypertrophy and hyperplasia with suitable examples. (4)
 - 2E) Liquefactive and fat necrosis with examples. (4)

SECTION B - MICROBIOLOGY (30 MARKS)

Answer all the questions.

- 3) Define and Classify Hypersensitivity and describe in detail type IV hypersensitivity. (2+3+5 = 10)

- 4) **Write short notes on:**
 - 4A) Bacterial growth curve. (4)
 - 4B) Laboratory diagnosis of *Ascaris lumbricoides* infection. (4)
 - 4C) Laboratory diagnosis of HIV infection. (4)
 - 4D) Non-suppurative complications of Group A Streptococcal infection. (4)
 - 4E) Coagulase test. (4)

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