

# Question Paper

Exam Date & Time: 10-SEP-2022 (02:15 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - SEPTEMBER 2022

SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY  
(REGULAR BATCH)

Marks: 60

Duration: 165 mins.

### SECTION - A - GENERAL PATHOLOGY (30 Marks)

Answer ALL questions.

Illustrate our answers with diagrams wherever necessary.

1. Define anemia. Explain the pathophysiology of iron deficiency anemia. Discuss the laboratory diagnosis of iron deficiency anemia. (2+4+4 = 10 marks)
  
2. Write short notes on:
  - 2A) Morphology of pleomorphic adenoma. (4)
  - 2B) Microscopic features of atherosclerotic plaques. (4)
  - 2C) List differences between benign and malignant tumours. (4)
  - 2D) List the factors influencing wound healing. (4)
  - 2E) Features of tetralogy of Fallot. (4)

### SECTION - B - MICROBIOLOGY (30 m=Marks)

Answer all the questions.

- 3) Describe the pathogenesis, clinical features and laboratory diagnosis of Corynebacterium diphtheriae. (3+3+4 = 10 marks)
  
4. Write short notes on:
  - 4A) Classification of Streptococci. (4)
  - 4B) Serum sickness. (4)
  - 4C) Laboratory diagnosis of amoebic dysentery. (4)
  - 4D) Hot Air Oven. (4)
  - 4E) Serologic markers of Hepatitis B. (4)

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