

Question Paper

Exam Date & Time: 30-Dec-2020 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND BDS DEGREE EXAMINATION - DECEMBER 2020/JANUARY 2021

SUBJECT: GENERAL PATHOLOGY AND MICROBIOLOGY

Marks: 60

Duration: 165 min

Answer ALL the questions.

Write brief, clear, relevant, and legible answers. Illustrate your answers with diagrams, flowcharts wherever appropriate.

GENERAL PATHOLOGY

Answer all the questions.

- 1.) Define Neoplasia. Tabulate the differences between benign and malignant tumors. List the different modes of spread of tumor (2+5+3 = 10 marks)

Answer all the questions.

2. Write short notes on:

- 2A) Peripheral smear, bone marrow and biochemical abnormalities in Iron deficiency anemia. (4)
- 2B) Morphology of primary tuberculosis of lung. (4)
- 2C) Difference between dystrophic and metastatic calcification. (4)
- 2D) Complications of atherosclerosis. (4)
- 2E) Steps in phagocytosis. (4)

MICROBIOLOGY

Answer all the questions.

- 3.) Define and classify immunity. Describe in detail the innate immune mechanisms. (10)
- (1+3+6 = 10 marks)

4. Write short notes on:

- 4A) Koch Postulates. (04)
- 4B) Pathogenesis of *Corynebacterium diphtheriae*. (04)
- 4C) Actinomycosis (04)
- 4D) Oral Protozoal (04)
- 4E) Laboratory diagnosis of HIV. (04)

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