

Question Paper

Exam Date & Time: 15-May-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

II Year Pharm D University Examination May 2023

Pathophysiology [PPR 2.1T-S2]

Marks: 70

Duration: 180 mins.

Section A

Answer all the questions.

Long Answer Questions (3 x 10 marks = 30 marks)

- 1) Define hypertension and discuss the etiological classification of hypertension. (10)
- 2) Explain the etiology and pathogenesis of pre-renal and post-renal acute renal failure. (10)
- 3) Discuss the etiopathogenesis of tuberculosis. (10)

Section B

Answer all the questions.

Short Answer Questions (6 x 5 marks = 30 marks)

- 4) Discuss the pathogenesis of irreversible cell injury. (5)
- 5) Explain the role of various plasma-derived mediators in inflammation. (5)
- 6) Explain the pathogenesis of amyloidosis. (5)
- 7) With the help of a diagram explain the steps involved in tumour metastasis. (5)
- 8) Differentiate between Marasmus and Kwashiorkor. (5)
- 9) Differentiate between tuberculoid and lepromatous leprosy. (5)

Section C

Answer all the questions.

Give Reasons for the Following (5 x 2 marks = 10 marks)

- 10) Prostaglandins are responsible for important signs and symptoms of inflammation. (2)
- 11) Central tolerance is not 100% effective in eliminating self-reactive T-cells. (2)
- 12) Shock is considered as life-threatening condition. (2)
- 13) HbA1c is considered a reliable predictor of diabetes. (2)
- 14) Different hepatitis viruses have distinct modes of transmission. (2)

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