

Question Paper

Exam Date & Time: 30-Apr-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal College of Pharmaceutical Sciences
Second Year Pharm D
University Examination: April/May-2024

Pathophysiology [PPR 2.1T-S1]

Marks: 70

Duration: 180 mins.

A: Long Answer Questions

Answer all the questions.

Draw diagrams wherever necessary

- 1) Discuss short-term and long-term complications of diabetes mellitus. (10)
- 2) Classify depression and explain the different pathophysiological hypotheses related to depression. (10)
- 3) Discuss the etiopathogenesis of viral hepatitis with its route of transmission. (10)

B: Short Answer Questions

Answer all the questions.

Draw diagrams wherever necessary

- 4) Explain the cellular adaptation to stress. (5)
- 5) With the help of a diagram explain the pathogenesis of granulomatous inflammation. (5)
- 6) Explain the different mechanisms responsible for immune tolerance. (5)
- 7) Explain the steps involved in tumour invasion. (5)
- 8) Write the major constituents of tobacco and adverse effects of smoking. (5)
- 9) Briefly explain the pathogenesis of urinary tract infection. (5)

C. Give Reasons for the Following

Answer all the questions.

- 10) Anti-cancer drugs and corticosteroids may delay the wound healing. (2)
- 11) Xenografts always undergo hyperacute rejection. (2)
- 12) Various terms are used to describe radiation exposure and dose. (2)
- 13) Pink puffer and blue bloater have distinct features. (2)
- 14) Typhoid can cause certain complications in human. (2)

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