

Question Paper

Exam Date & Time: 02-May-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.
MPharm - Pharmacology
MPharm Semester II - End-Semester Examination May 2019
Date : 02/05/2019

Advanced Pharmacology II [PHA-MPL201T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x 5 = 50 marks)

- 1) Explain the protein synthesis in bacteria. Compare and contrast the mechanisms of drugs affecting the bacterial protein synthesis. (10)
- 2) Discuss the pathophysiology and pharmacological management of asthma. (10)
- 3) When the innate immune responses fail to resolve the infection, explain how a pathogen is eliminated from the body? (10)
- 4) Discuss thyroid hormone synthesis and explain how anti-thyroid drugs interfere with this. (10)
- 5) Discuss the drugs used in the control of gastric acidity, with the mechanism of action. Illustrate your answers with the help of representative drugs from each category. (10)

SECTION - B

Answer all the questions.

Answer the following (5 marks x 5 = 25 marks)

- 6) Explain the different types of free radical and their production in the body. (5)
- 7) What are the different types of biological rhythms? Explain the clinical implications of biological rhythms. (5)
- 8) Explain the mechanism of action of Teneligliptin and Acarbose (5)
- 9) Explain the any two therapeutically useful pharmacological actin of corticosteroids. (5)
- 10) Explain the mechanisms of actions of anticancer agents targeting the enzyme. (5)

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