

Question Paper

Exam Date & Time: 03-May-2018 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL COLLEGE OF PHARMACEUTICAL SCIENCES
END SEMESTER THEORY EXAMINATIONS- MAY 2018
PROGRAM: MPHARM SEMESTER 2 (PHARMACOLOGY)

DATE: 03/05/2018

TIME: 2:00 PM - 5:00 PM

Advanced Pharmacology II [PHA-MPL201T]

Marks: 50

Duration: 180 mins.

a

Answer all the questions.

Answer the following (5 marks x 8 = 40 marks)

- 1) Explain the mechanism of action of alkylating agents. (5)
- 2) Discuss how drugs interfere with the immune responses in the human body (5)
- 3) With a neat labeled diagram, explain the regulation of acid secretion and the drugs that intervene at different sites (5)
- 4) Explain the mechanism of action of Teneligliptin and Voglibose (5)
- 5) With suitable diagram and examples, explain the mechanism of action of antiretroviral drugs. (5)
- 6) Outline the steps involved in the synthesis of thyroid hormones and indicate the site of actions of various anti thyroid drugs. (5)
- 7) Explain the mechanism of any two classes of antifungal agents (5)
- 8) Discuss the aetiology and pathophysiology of COPD. (5)

b

Answer all the questions.

Answer the following with specific answers (2 marks x 5 = 10 marks)

- 9) What is the rationale of chronotherapy in asthma? (2)
 - A)
 - B) With examples, mention the classes of antioxidants. (2)

- C) Explain the pharmacological basis of combination of Cyclophosphamide and Mesna. (2)
- D) Explain why is domperidone preferred to metoclopramide in vomiting induced by levodopa (2)
- E) Why zidovudine should not be combined with stavudine? (2)

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