

# Rajiv Gandhi University of Health Sciences

Second Semester M. Pharm Degree Examination - MAY 2018

[Max. Marks: 75]

[Time: 3 Hours]

## Advanced Pharmacology -II

**Q.P. CODE: 5177**

Your answers should be specific to the questions asked.  
Draw neat, labeled diagrams wherever necessary.

### LONG ESSAY (Answer any Three)

**3 X 10 = 30 Marks**

1. Classify antithyroid drugs with examples. Write the mechanism of action of each class.
2. Classify anti-TB drugs and write the mechanism of action of each class.
3. Write the role of free radicals in etiopathology of diabetes mellitus classify antidiabetic agents.
4. Write a brief note on recent drugs for the treatment of Alzheimer's disease (any two).

### SHORT ESSAY (Answer any Nine)

**9 X 5 = 45 Marks**

5. What are immunostimulants? Classify with examples.
6. Write the molecular and cellular mechanism of prolactin.
7. Classify antiulcer drugs. Write the mechanism of action of any one class.
8. What is chemoreceptor trigger zone (CTZ)? Explain how various antiemetic drugs produce their effects by interacting with the receptors on CTZ.
9. What is chronopharmacology? Write its principles.
10. Write the mode of action of loperamide and kaolin.
11. Write the mechanism involved in the antimicrobial resistance to antiviral drugs.
12. Classify drugs used in the treatment of asthma. Write the mechanisms of action of any one class.
13. Explain the protective activity of superoxide dismutase (SOD) in controlling oxidative stress.
14. Classify anticancer drugs with examples. Write the mode of action of cisplatin.

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