Rajiv Gandhi University of Health Sciences

First Year M. Pharm Degree Examination - JAN-2019

[Time: 3 Hours] [Max. Marks: 100]

Advanced Pharmacology and Toxicology

(Revised Scheme 4)

Q.P. CODE: 9349

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

LONG ESSAY (Answer any TEN) **10 X 10 = 100 Marks**

1. Describe G-protein coupled receptors and their role in signal transduction with example.
2. Explain female reproductive toxicity studies.
3. Discuss the regulation of blood pressure. Explain the pharmacotherapeutic management of hypertension.
4. List out the central neurotransmitters. Write the structure and physiological role of ion channel coupled receptors.
5. Explain the pathophysiology of ischemic heart disease and its pharmacotherapy.
6. What is dyslipidaemia? Enumerate the causes and discuss the management of dyslipidaemia.
7. What are oxygen free radicals? Give examples and explain their pathological role in Alzheimer's disease. Discuss the endogenous antioxidant systems.
8. Explain the etiology, pathogenesis and management of obesity.
9. Enumerate respiratory tract infections based on causative organisms. Explain the pharmacotherapy of pneumonia.
10. Name the causative organism, signs and symptoms of amoebic dysentery. Classify antiamoebic agents and explain the pharmacotherapy of amoebic dysentery.
11. Write the pathophysiology and pharmacotherapy in Parkinson's disease.
12. Write the biosynthesis, receptors and physiological role of 5HT (Serotonin).

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