

Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – 10-Nov-2023

Time: Three Hours

Max. Marks: 70 Marks

PHARMACOLOGY – I (RS & RS2)

Q.P. CODE: 2859

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any two)

2 x 10 = 20 Marks

1. Classify adrenergic drugs. Write the mechanism of action, pharmacological actions, adverse effects and therapeutic uses of adrenaline.
2. Classify antihypertensive drugs. Describe the mechanism of action drugs acting on renin angiotensin system.
3. Classify anticonvulsant drugs. Explain mechanism of action, adverse effects and therapeutic uses of Phenytoin sodium.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Write on clinical significance of Plasma protein binding.
5. Classify skeletal muscle relaxant with examples. Write a note on their therapeutic uses and adverse effects.
6. What is angina pectoris? Write the uses and adverse effects of organic nitrates.
7. Discuss on pre-anaesthetic medication.
8. Explain the pharmacology of drugs in chronic obstructive pulmonary disease.
9. Write a note on the pharmacology of oral contraceptives.
10. Therapeutic uses and adverse effects of H1 receptor blockers.
11. Define Biotransformation. Explain briefly Phase I and II reactions.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define the bioavailability of a drug and its importance.
13. Mention the therapeutic uses of anticholinesterase agents.
14. What is the rationale for combining adrenaline with lignocaine?
15. Give reason: why ethyl alcohol is used in the treatment of methyl alcohol poisoning.
16. Write the adverse effects of anticholinergics.
17. Mention the topical uses of glucocorticoids.
18. Name any two 5-HT antagonists.
19. Rationale for combining levodopa and carbidopa.
20. Name two centrally acting cough suppressants.
21. What are the clinical uses of selective serotonin reuptake inhibitors?
