

Rajiv Gandhi University of Health Sciences, Karnataka

III Semester Bachelor of Occupational Therapy Degree Examination – 26-Nov-2025

Time: Three Hours

Max. Marks: 100

PHARMACOLOGY (OS/RS)

Q.P. CODE: 3423

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 narcotic analgesics. Write the pharmacology of morphine
2. What is DOTS? Classify anti TB drugs with examples. Write the mechanism of action, adverse effects of INH.
3. Classify adrenergic agonists with suitable examples. Explain the pharmacology of Nor-adrenaline

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Enlist proton pump inhibitors. Write the pharmacology of omeprazole.
5. Classify H₂ receptor antagonists. Write the pharmacology of ranitidine.
6. Discuss the pharmacological actions of digitalis
7. Explain monoamine theory of depression.
8. Explain the Pharmacology of Alcohol and treatment for alcohol addiction.
9. Write a note pharmacology on 5-HT.
10. Classify skeletal muscle relaxants and write the pharmacological actions of Succinylcholine.
11. Define absorption of drug Explain the factors affecting drug absorption
12. Classify diuretics with examples and write therapeutic uses of Mannitol
13. Explain the terms additive effect & synergism with examples.
14. Write the mechanism of action of sulfonylureas and biguanides
15. Write the pharmacological actions and adverse effects of local anaesthesia.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Advantages of oral route of drug administration
17. Write significance of Protein binding
18. Define Nasal Decongestants. Give any four examples.
19. Therapeutic uses of pyridoxine
20. Name the drugs used in the treatment of organophosphate poisoning
21. Write therapeutic uses of Vitamin K.
22. Name the drugs that lower serum lipoprotein concentration.
23. Explain Drug tolerance
24. Define phase I and Phase II biotransformation
25. What is Teratogenicity and carcinogenicity
26. Write the therapeutic uses of PG and derivatives.
27. Advantages of oral route of drug administration.
