

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018
III Year V Semester
Core Elective-Paper I
PHARMACEUTICAL CHEMISTRY

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Define Pharmacodynamics.
2. What are the causes and types of Anaemia?
3. Mention the medicinal uses of Tulsi and Kizhanelli.
4. Draw the structure of Penicilline.
5. Define (a) Antiseptics (b) Disinfectants
6. Give examples for natural analgesics and synthetic analgesics.
7. What are the requirements for a compound to be used as an anaesthetic?
8. Differentiate hypnotics and sedatives. Give examples.
9. What are hormones? Give examples.
10. Mention the three types of corpuscles present in blood plasma.
11. What are the causes of Jaundice.
12. Give one example each for antipyretic and anaesthetic.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Write briefly on Bacteria and Virus.
14. Explain the mechanism of action of supha drugs. Give examples.
15. Distinguish narcotic and non-narcotic analgesics with an example.
16. Give a brief account of tranquilliser with two examples.
17. Write a short note on (i) Blood pressure (ii) Hypertensive drugs.
18. What are HDL and LDL? Give example for lipid lowering drugs.
19. Discuss the medicinal properties of adadodai and thoothuvalai.

Section C ($3 \times 10 = 30$) MarksAnswer any **THREE** questions

20. Write short notes on (i) Pharmacology (ii) Pharmacopeia (iii) Malaria (3+3+4)
21. Describe the structure, medicinal uses and side effects of (i) Chloramphenicol (ii) Tetracyclines
22. (a) Write about phenolic compounds used as antiseptics. (5+5)
(b) Write the preparation, properties and uses of the following analgesics
(i) Aspirin (ii) ibuprofen.
23. (a) Write short notes on (i) LSD and (ii) Hashish (5+5)
(b) Explain volatile anesthetics and give examples.
24. (a) Explain the function of thyroxine and diseases associated with it.
(b) What is Diabetes? Explain the causes and control measures of diabetes.

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