

D. PHARMA 1st YEAR | PHARMACEUTICAL CHEMISTRY

5200123

GOVERNMENT OF KARNATAKA
BOARD OF EXAMINING AUTHORITY
D. Pharma Part-1 Examination (ER-2020) - January 2023
PHARMACEUTICAL CHEMISTRY

Time: 3 Hours

Max. Marks: 80 M

Note:

- i) Answer 6 questions from section A, 10 questions from section B, and all questions from section C
- ii) Draw a diagram wherever necessary.
- iii) Answer to the point for objective type.

SECTION-A

Long Essay (Answer any six)

6X5-30 M

1. Explain complexometric titrations and write the assay of calcium gluconate.
2. With a neat labeled diagram of apparatus write the principle and reactions involved in the limit test for arsenic IP.
3. Write a note on dental products.
4. Define and classify sedatives and hypnotics with examples. Write the structure of phenobarbital.
5. Define and classify antiarrhythmic agents with examples.
6. Write the structure, chemical name and uses of propranolol and phenytoin.
7. Classify antimalarial agents with examples.

SECTION-B

Short Essay (Answer any ten)

10X3-30 M

8. Explain types of errors.
9. Write the principle and reactions of limit test for chlorides.
10. Classify general anaesthetics with examples. Write the structure of thiopental sodium.
11. Define and classify antidiabetic agents with examples. Write the structure of metformin.
12. Write the structure, chemical name and uses and two brand names of Frusemide.
13. Define and classify antacids with examples.
14. Write the structure, chemical name, uses and any two brand names of Paracetamol.
15. Define sulphonamides. Write the structure chemical name and uses of dapson.
16. Define antifungal agents. Write the structure of fluconazole and amoxicillin.
17. Define a classify antineoplastic agents with examples.
18. Classify cholinergic drugs with examples. Write the structure and uses of acetylcholine.

SECTION-C

Objective type (Answer all questions)

20X1-20M

19. Define assay.
20. Write the structure of furan and pyridine.
21. Write the labeling and storage conditions of laughing gas.
22. Write the structure of Captopril.
23. Name any two calcium channel blockers.
24. Define oxidation-reduction titrations.
25. Define antibiotic.
26. Write the structure and chemical name of indole.

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27. Write the combination of co-trimoxazole.
28. Name any two drugs from cephalosporin group of antibiotics.
29. Write the structure of Chloramphenicol.
30. Define precision.
31. _____ is a narcotic antagonist.
32. _____ titrant is most commonly used in precipitation titration.
33. _____ is an anti-corona drug used to treat covid-19 infections.
34. Novamox is a brand name of _____.
35. Match the following.

A	B
1) Morphine	a) Blue vitriol
2) Neostigmine	b) Anaphylactic shock
3) Copper sulphate	c) Anticonvulsant
4) Adrenaline	d) Cholinesterase Inhibitor.
	e) Opioid analgesic
	F) Throat infection

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