



QP CODE: 26019361



26019361

Reg No :

Name :

M.Sc DEGREE (CSS) EXAMINATION, MARCH 2026

Fourth Semester

M Sc PHARMACEUTICAL CHEMISTRY

**ELECTIVE - CH860402 - ADVANCED PHARMACEUTICAL OPERATIONS AND
DISPENSING**

2019 Admission Onwards

ACF14FF0

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. Discuss about the pharmacognosy of senna.
2. Write a note on the extraction, constituents and uses of olive oil.
3. What is Agar Agar? How it is obtained?
4. Briefly explain the offences and penalties as per the Pharmacy Act.
5. Write in detail the method to estimate ephedrine by acidimetric titrations.
6. Write note on ion-pair titrations. Give example for ion –pair titrations in pharmaceutical analysis.
7. Draw the schematic diagram of capillary electrophoresis apparatus and mark the parts
8. Name two radioisotopes and explain its uses in diagnostic studies.
9. What are the important uses of mercurochrome in pharmaceutical field?
10. What is myocardial infarction? Why we are not using laboratory diagnosis for the immediate treatment of such problems?

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Explain about the sources, constituents and uses of Cannabis and Cinchona.
12. What are the sources, constituents and uses of Aloe and Brahmi.





13. Explain about the general methods for extraction of essential oils.
14. Write a short note on therapeutic incompatibility and its methods of correction.
15. Describe the constitution and functions of State Pharmacy Council of India.
16. What are the requirement related to labelling and packing of drugs according to Drugs and Cosmetic Act, 1940?
17. Discuss about the chromatographic methods TLC and GC and explain how it is important in pharmaceutical applications.
18. Explain briefly about the gastric function tests.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. Discuss the pharmacognosy of a) Ginger b) Cloves c) Liquorice d) Santonica.
20. Discuss about different types of injections and its components? What are the quality control aspects in the manufacture of parenteral preparations?
21. Discuss in detail the principle and pharmaceutical applications of solid phase extraction and solvent extraction methods. Discuss the advantages and disadvantages of each method.
22. Discuss about various Liver function tests

(2×5=10 weightage)

