



QP CODE: 21000917



21000917

Reg No : .....

Name : .....

**M Sc DEGREE (CSS) EXAMINATION, JULY 2021**

**Fourth Semester**

Faculty of Science

M Sc PHARMACEUTICAL CHEMISTRY

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

2019 Admission Onwards

9A2B6C52

Time: 3 Hours

Weightage: 30

**Part A (Short Answer Questions)**

Answer any **eight** questions.

Weight **1** each.

1. What do you mean by Pharmacognosy? Write down the uses of the drug vasaka.
2. What are the chief constituents of Liquorice ? Mention the use of the Drug.
3. What is Bentonite? How it is obtained?
4. Define Pharmacy, Drug store and chemist and Druggists.
5. Write about the Volhard method in argentometric titrations
6. What are the pharmaceutical applications of GC ?
7. Discuss in detail the principle of capillary electrophoresis.
8. Write a note on Technetium radiopharmaceuticals.
9. Write a note on AST.
10. How do you diagnose Myocardial Infarction?

(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 Brahmi and Asafoetida.
12. Discuss the source, method of isolation and principal constituents of Eucalyptus Oil.





13. Write a short note on the composition and uses of Gum Tragacanth and Gum Acacia.
14. Describe briefly on implanted mechanical pumps.
15. What are the special provisions for the registration of certain persons under The Pharmacy Act?
16. Write a short note on intellectual property right. Comment on its merits and demerits.
17. Illustrate iodometric titrations with examples.
18. Write short note on a) Serum creatinine test b) BUN test.

(6×2=12 weightage)

### **Part C (Essay Type Questions)**

Answer any **two** questions.

Weight **5** each.

19. Discuss the pharmacognosy of a) Nutmeg b) Fennel c) Cardamom d) Cumin.
20. Discuss about capsules, explain its types and manufacture. What are its advantages and disadvantages?
21. Discuss about the application of different spectroscopic methods in pharmaceutical analysis.
22. Explain the uses of fluorescein, mercurochrome and acridine dyes in diagnosis.

(2×5=10 weightage)

