

20000399



20000399



Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, MAY 2020

Fourth Semester

Faculty of Science

Branch V-B—Pharmaceutical Chemistry

PH4 E02—ADVANCED PHARMACEUTICAL OPERATIONS AND DISPENSING

(2012 Admission onwards)

Time : Three Hours

Maximum Weight : 30

Section A

Answer any ten questions.

Each question carries a weight of 1.

1. What is meant by Patent ?
2. What is Chemotherapy ?
3. How is infringement of copyright determined ?
4. Give *two* uses of Nutmeg.
5. Name *two* suspending agents used in dispensing.
6. Explain the composition analysis of fixed oils.
7. Give the important constituents of Shark oil.
8. What is RIA ?
9. Explain Electrophoresis.
10. What are the important legal formalities for drug trade ?
11. Give *two* examples of dyes used in pharmacy.
12. What are the uses of agar agar ?
13. What is Intellectual Property ?

(10 × 1 = 10)

Turn over





20000399

Section B

*Answer any five questions.
Each question carries a weight of 2.*

14. Explain the principle of gastric function tests.
15. Illustrate the principle of using Oxine in liquid-liquid extraction process.
16. Give an account of the 'Dangerous drug act and rules'.
17. Describe the main features of Indian Pharmacopeia.
18. Discuss the differentiating features of Belladonna and Vasaka.
19. Explain adsorption chromatography.
20. Discuss the Pharmacognosy of Kurchi bark.
21. Explain various retail centers for drugs as described in 'Drugs and Cosmetics'.

(5 × 2 = 10)

Section C

*Answer any two questions.
Each question carries a weight of 5.*

22. (a) Discuss the principle and applications of HPLC.
(b) HPLC is advantages over other methods of chromatography.—Justify.
23. (a) Discuss the apparatus and machinery used in general pharmaceutical operations.
(b) Explain the Drugs and Cosmetics rule.
24. (a) What are Pills ? Discuss the principles and methods of preparation.
(b) What is Physical Incompatibility? Discuss the factors used to overcome physical incompatibility.

(2 × 5 = 10)

