

B PHARM
(SEM I) THEORY EXAMINATION 2022-23
PHARMACEUTICS -I

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief. 10 x 2 = 20

- (a) What do you mean by the term “Pharmakon”?
- (b) Write Young’s formula.
- (c) What do you mean by percentage weight by volume solution?
- (d) Define eutectic powders.
- (e) Differentiate between lotion and liniment.
- (f) Enlist two stability problems of suspensions
- (g) Define displacement value.
- (h) Give one example of therapeutic incompatibility
- (i) Write two bases used for preparing pastes.
- (j) Classify Semisolid dosage forms.

SECTION B

2. Attempt any two parts of the following: 2 x 10 = 20

- (a) Write a detailed note on origin and development of pharmacy along with its scope as a profession.
- (b) Define Emulsion. Classify them and discuss in detail about stability problems associated with emulsions along with the techniques to overcome.
- (c) What are the various factors affecting dermal penetration? Discuss method of preparation of ointments.

SECTION C

3. Attempt any five parts of the following: 7 x 5 = 35

- (a) What are the contents of current edition of Indian Pharmacopoeia?
- (b) Define prescription. What are the various parts of prescription?
- (c) Calculate the volume of each 70%, 60%, 40% and 30% alcohol be mixed to get 450 ml of 50% alcohol?
- (d) Define incompatibility. Discuss physical incompatibility with few examples
- (e) Classify powders. Write a note on dusting powder.
- (f) What are the various tests of identification of emulsions?
- (g) Discuss various evaluation tests of semisolid dosage forms.