

[Total No. of Questions - 9] [Total No. of Printed Pages - 3]
(2124)

1695

B. Pharmacy 5th Semester Examination
Pharmaceutics-V (Pharmaceutical Technology-I) (OS)
HBP-303

Time : 3 Hours

Max. Marks : 80

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

- Note :** (i) Each question carrying equal marks.
(ii) Only one question have to attend from Section A, B, C, D.
(iii) Section E is compulsory.

SECTION - A

1. What are suspensions? How will you stabilize the suspensions? Discuss interfacial properties of suspended particles. (16)
2. Classify and describe the ointment bases with suitable examples and give their applications in formulation of ointments. (16)

SECTION - B

3. Explain in brief about factors affecting absorption of drug from suppositories. Add a note on bases used in manufacturing of suppositories. (16)
4. What do you mean by maceration and percolation? Explain the principle behind these extraction procedures. (16)

[P.T.O.]

SECTION - C

5. Write in brief about various blood products alongwith their specific requirements in a particular condition. Add a note on their storage conditions. (16)
6. Give the classification of aerosols. Explain the water based aerosol drug delivery systems. (16)

SECTION - D

7. How will you evaluate the ophthalmic preparations? What are the ideal requirements to meet the standards? (16)
8. What are the ideal requirements of cosmetic preparations for skin? Add a note on preparation of nailpolish and lipsticks. (16)

SECTION - E

9. Choose the correct options for following objective type questions.
- (i) To study the particle size in suspension, this instrument or apparatus is used.
- (a) Anderson pipette (b) Monsento tester
(c) Viscometer (d) Zeta meter
- (ii) Lanolin is.....
- (a) Hydrocarbon base (b) Water soluble base
(c) Absorption base (d) Absorption base (An)
- (iii) For drying blood plasma the following technique is used:
- (a) Spray drying (b) Freeze drying
(c) Vacuum drying (d) Fluid bed drying

- (iv) The correct equipment for identification of propellant used in aerosol is
- (a) Rotational viscometer (b) Infrared spectroscopy
(c) Tag open cup apparatus (d) Pycnometer
- (v) Among the following preparations, which one will be the most irritating to the eye?
- (a) Purified water (b) 0.7% NaCl solution
(c) 0.9% NaCl solution (d) 1% NaCl solution
- (vi) The α -form of cocoa butter is obtained by
- (a) sudden cooling at 24°C
(b) Pouring cocoa butter in a container kept at deep freeze temperature
(c) Sudden cooling at 0°C (d) None of above
- (vii) Vanishing cream bases fall into this category
- (a) Water soluble bases (b) Water removable bases
(c) Hydrocarbon bases (d) All of the above
- (viii) Which solvent is used for the extraction of fatty material from plant?
- (a) Petroleum ether (b) Water
(c) Acetone (d) All of them.

(2×8=16)