

Roll No.

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B.Pharmacy (Semester - 7th)

PHARMACEUTICS - VIII

(PHARMACEUTICAL TECHNOLOGY - II) (PHM - 4.7.2)

Time : 03 Hours

Maximum Marks : 80

Instruction to Candidates:

- 1) Section - A is compulsory.
- 2) Attempt any Four questions from Section - B.
- 3) Attempt any Three questions from Section - C.

Section - A

(15 x 2 = 30)

Q1)

- a) Write the difference between an adhesive and bandage.
- b) Define large volume parenterals.
- c) Define bloom strength.
- d) How the friability test is performed for tablets.
- e) Write any one packaging requirement for injections as per U.S.P.
- f) Give few examples of solvents used in production of parenterals.
- g) Enlist the methods to determine flow properties of powders.
- h) Name four different evaluation tests for capsules.
- i) Write the purpose of microencapsulation of aspirin.
- j) Define spray congealing.
- k) What is osmotic pump?
- l) What is type II glass?
- m) Define class 100 area.
- n) Write the ingredients used in production of hard gelatin capsules.
- o) Write any two advantages of capsules over other dosage forms.

P.T.O.

Section - B

(4 x 5 = 20)

- Q2) Explain various stages involved in the sugar coating of tablets.
- Q3) Write the importance of base adsorption and minim/gm factor in soft gelatin capsules.
- Q4) Define isotonicity. Explain any one method of adjusting isotonicity.
- Q5) Write short notes on mottling and picking.
- Q6) Describe the ideal properties of a surgical dressing.

Section - C

(3 x 10 = 30)

- Q7) Explain the importance of microencapsulation in pharmacy. Describe the process of microencapsulation by air suspension technique.
- Q8) Explain evaluation methods of transdermal drug delivery systems.
- Q9) Explain formulation and manufacture of tablets prepared by wet granulation technique.
- Q10) Write short notes on
- (a) Filling and sealing of ampuls.
 - (b) In-process quality control tests for parenteral products.

