

B. Pharm
(SEM VI) THEORY EXAMINATION 2017-18
Pharmaceutics-VII (Pharmaceutical Technology-II)

Time: 3 Hours

Total Marks: 100

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

- 1. Attempt all questions in brief. 2 x10 = 20**
- a. Define the term “Angle of repose” and write its equation.
 - b. Define rectal capsule and enteric-coated capsule.
 - c. Name the different types of excipient used in formulation of tablets.
 - d. Define sustain release and controlled release system.
 - e. Define “ Prodrug”. What are their applications?
 - f. What are the essential characteristics of eye drops.
 - g. Define the term ‘water for injection’ and ‘dialysis fluid’.
 - h. What are qualities of good container?
 - i. Write the applications of aerosol packing.
 - j. Write function of surgical dressing.

SECTION B

- 2. Attempt any three of the following: 10 x 3 = 30**
- a. Describe in brief about techniques of microencapsulation.
 - b. Write in brief about evaluation of tablets.
 - c. Define the term ‘ophthalmic products’. Write essential characteristics of different ophthalmic product.
 - d. What are ‘parenteral products’? Describe evaluation test for parenteral products.
 - e. Define the term “closure”. Write in detail about different types of closure commonly used in pharmaceutical industry.

SECTION C

- 3. Attempt the following: 5 x 2 = 10**
- (a) Write about quality control tests for capsules.
 - (b) Discuss about problems and remedies for tablet coating.
- 4. Attempt the following: 5 x 2 = 10**
- (a) Write application and characterization of liposomes.
 - (b) What are eye lotions? Describe in brief, the formulation of eye lotion.
- 5. Attempt the following: 5 x 2 = 10**
- (a) Define term ‘pyrogen’. Write in brief the method of pyrogen test.
 - (b) Give in brief, the various intravenous fluids which are commonly used.
- 6. Attempt the following: 5 x 2 = 10**
- (a) Write in brief about quality control tests for parenteral products.
 - (b) What is the composition of glass? Describe in detail the different types of glass u for making containers.
- 7. Attempt the following: 5 x 2 = 10**
- (a) Write in brief about nonofficial dressings.
 - (b) Write about cellulosic hemostasis.