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B.PHARM
(SEM VI) THEORY EXAMINATION 2017-18
PHARMACEUTICS – VII
(PHARMACEUTICAL TECHNOLOGY-II)

Time: 3 Hours ***Total Marks: 100***

Note: 1. Attempt all Sections.

SECTION A

1. Attempt *all* questions in brief. **2 x10 = 20**

(a) What is burst release?

(b) What are the disadvantages of controlled release dosages forms over conventional dosages forms?

(c) Define capping and lamination in tablet making.

(d) Enlist four evaluation parameters of capsules.

(e) Give two example of enteric and non-enteric coating polymer each.

(f) What do you mean by minimum/gm factors in soft capsule?

(g) Define the term lyophilization.

(h) Give two examples of biodegradable polymers.

(i) What do you mean by sustained release tablets?

(j) Define base absorption.

SECTION B

2. Attempt any *three* of the following: **10 x 3 = 30**

(a) Write a short note on filling sealing of ampoules.

(b) Describe the one coating process of tablet giving silent details.

(c) What is the principle of the working of an elementary osmotic pump?

(d) Give advantages and disadvantages of capsule dosages forms.

(e) Define sterile powders. Explain its preparation methods.

SECTION C

3. Attempt any *two* of the following: **5 x 2 = 10**

(a) Discuss evaluation of tablets.

(b) Write a short note on wet granulation technology on large scale.

(c) Briefly discuss physics of tablet making.

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4. Attempt any *one* part of the following: 10 x 1 = 10

(a) How pharmacokinetic and pharmacodynamic charecteristics of a drug affect in the design of controlled release drug delivery system?

(b) Briefly discuss oral controlled release systems.

5. Attempt any *one* part of the following: 10 x 1 = 10

(a) Briefly discuss evaluation of the packaging materials.

(b) What will be the criteria for the selection containers and clousers?

6. Attempt any *one* part of the following: 10 x 1 = 10

(a) Which aqueous and non aqueous vehicles are used in parental formulations? Give formulations detail.

(b) Discuss prefilling treatment and washing of containers and closures.

7. Attempt any *two* parts of the following: 5 x 2 = 10

(a) Discuss method of manufacturing of soft gelatin capsules.

(b) Discuss the process of microencapsulation by spray drying method.

(c) Write a short note on stability testing and storage of capsule dosages forms.

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