

B. PHARMACY 3rd YEAR 1st SEM SUPPLEMENTARY EXAM- 2017

Subject: Pharmaceutics-V

Time: three hours

Full Marks: 100

Answer any *five* questions taking at least one from each group.

GROUP - A

Q.1. Write short notes on:

- i) Microencapsulation.
- ii) Molecular Dispersions.
- iii) Enteric coated formulations.
- iv) Spansules.

Q. 2. i) Why selection of dosage form is also equally important like selection of drug in a given course of therapy?

ii) Discuss the various factors which may influence the bioavailability of a molecule from capsule dosage form.

Q. 3. During tablet manufacturing what should be your approaches to improve bioavailability of active molecule(s) from such formulations?

B. PHARMACY 3RD YEAR IST SEM SUPPLEMENTARY EXAM-2017

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GROUP - B

4. a) Differentiate among lubricant, antiadherent and glidant,
b) Write notes on: i) Roche friabilator
ii) USP disintegration tester of tablet
iii) USP weight variation test of tablet 4×5=20
5. Classify tablet coating processes. Write in brief the sugar coating process. Give the reasons for enteric coating of a tablet. Write in short about effervescent tablets. 1+10+4+3=20
6. Write in brief the different processing problems and possible remedies during manufacturing of tablets. 20

B. PHARMACY 3RD YEAR 1ST SEM EXAMINATION, 2017**Subject: PHARMACEUTICS-V****Time: Three Hours****Full Marks: 100****GROUP-C**Use separate Answer scripts for each Group.

Q. No		Marks
Q1.	a) Describe the different types of gelatin for capsule dosage form and method of processing of raw materials for the same.	10
	b) Write the advantages and disadvantages of capsule dosage form. Describe the capsule filling operations and list any 5 commercial equipments for the same.	10
Q2.	a) Explain formulation aspects of soft gelatin capsules.	10
	b) Describe the different additives used in hard gelatin capsule shell. Also give formulation composition of any one hard gelatin capsule.	10