

Name of the Examination: B. Pharm., 3rd Year, 2nd Semester, 2018.

Subject: Pharmaceutics –VI

Time: 3 hours

Full Marks: 100

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

GROUP – A

1. i) How & when bioavailability from I. V. route become unpredictable?
ii) What precautions will you take & why during switching from intra muscular to oral route & vice-versa? (20)
2. How can you maximize the bioavailability from:
(i) Ophthalmic formulations?
(ii) Aerosolized formulations? (10+10)
3. Give an overview on Optimal Health & Role of Nutraceuticals. (20)

BACHELOR OF PHARMACY EXAMINATION, 2018

(3rd Year 2nd Semester)

Pharmaceutics VI

Answer any Five questions taking at least Two from each group

Answer all parts of a question in one place

Full Marks – 100

Time – 3 hours

GROUP--B

1.a) Discuss the BCS of drugs.

b) What do you mean about the following: Pharmaceutical equivalents, Pharmaceutical alternatives, Pharmaceutical substitution, Bio-equivalents?

c) How will you determine the absolute bioavailability and relative bioavailability using plasma concentration – time profiles?

4+8+8=20

2.a) Discuss the role of the following drug factors on absorption of drugs: Lipophilicity, Molecular weight, No. of hydrogen bonds in a drug molecule, Effective surface area, Salt form.

b) How does the environment of GUT influence the absorption of drugs?

15+5=20

3. a) Describe in brief the influence of the following dosage forms on drug-bioavailability : Aqueous solution, Aqueous suspension, Soft gelatin capsule.

b) Write short note on absorption of drugs by passive diffusion process.

15+5=20