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Total No. of Pages : 02

Total No. of Questions : 09

B.Pharmacy (Practice) (2018) (Sem.-1)

**APPLIED PHARMACEUTICS**

Subject Code : BPP-105-18

M.Code : 76165

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A****1. Write briefly :**

- a. Bio pharmaceuticals
- b. QA
- c. Prodrugs
- d. GLP
- e. Distribution
- f. Stability

**Differentiate between :**

- g. Bioavailability and bioequivalence
- h. Pharmacokinetics and Pharmacodynamics
- i. How AUC is determined?
- j. What is the effect of pH on the oral absorption of drugs?





**SECTION-B**

2. Enumerate the biopharmaceutical aspects of tablets.
3. Explain the genetically engineered medicines.
4. What are the factors effecting drug distribution?
5. Explain the biotransformation of drugs.
6. How bioavailability is determined?

**SECTION-C**

7. Explain BA classification system.
8. Enumerate Phase I and Phase II reactions.
9. Write short notes on :
  - a. Instructions to patients for Transdermals
  - b. Defects in Dosage form

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**

