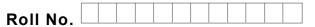
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Total No. of Pages : 02

Total No. of Questions : 10

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B.Pharma (2011 to 2016) (Sem.-8) PHARMACEUTICS-IX (DOSAGE FORM DESIGN) Subject Code : BPHM-801 Paper ID : [72296]

Time: 3 Hrs.

Max. Marks: 80

INSTRUCTION TO CANDIDATES :

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

SECTION-A

1. Answer briefly :

- a. Define bioavailability.
- b. Define angle of repose.
- anker.com c. Define enantiotropic polymorph
- d. Define solvates.
- e. Name any two drugs prone to oxidation.
- f. Explain hydrates.
- g. Define pKa.
- h. Discuss the importance of student's T test.
- i. Define sustained release formulation.
- j. Give examples of dosage forms exempted from bioequivalence testing.
- k. Name any two approaches for solubility enhancement.
- 1. Define absolute and relative bioavailability.



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- m. Define osmotic tablets.
- n. Define therapeutic index.
- o. Define implants.

SECTION-B

- 2. What are the polymers used for extended release tablets? Discuss the *in vitro* testing of extended release tablets.
- 3. Explain the rationale for retrospective validation. Also, discuss the process briefly.
- 4. Discuss various factors affecting the oxidation of drugs.
- 5. What is BCS? Discuss various classes along with suitable example.
- 6. What are the prominent features of quality assurance?

SECTION-C

- 7. Discuss importance of pH and pka at the site of absorption. Enlist the various properties of the drugs to be considered while performing the preformulation studies.
- 8. Discuss the ICH guidelines for accelerated stability studies
- 9. What are implants? Discuss implants with few commercialised examples.
- 10. Discuss the prominent features of cGMP related to manufacturing of tablets.