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Total No. of Questions: 10

B.Pharma (2011 to 2016) (Sem.-7)
PHARMACEUTICS-VIII
(Pharmaceutical Technology-II)
Subject Code: BPHM-702

M.Code: 71754

Time: 3 Hrs. Max. Marks: 80

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of FIFTEEN 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 FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A

Q1. Define:

- a) Microencapsulation
- b) lyophilization
- c) Hemostastics
- d) Aseptic area
- e) First order release
- f) Capsule
- g) Gelatin
- h) Ligatures
- i) Isotonicity
- j) Quality control
- k) Catguts
- 1) Blster package
- m) Coacervation

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- n) What is the need of granulation while preparing tablets?
- o) List any two criteria of drug (s) essential for microencapsulation.

SECTION-B

- Q2. Highlight aqueous coating of tablets.
- Q3. Explain evaluation of microcapsules.
- Q4. Explain techniques for the preparation and filling of sterile powders.
- Q5. Enumerate pyrogen testing of injection containing antibiotics.
- Q6. Highlight different types of parenteral controlled released drug delivery systems.

SECTION-C

- Q7. a) Enumerate packaging equipments for the packaging of oral solid dosage forms.
 - b) Explain in *vitro linvivo* packaging testing and compare it with stability of dosage forms
- Q8. a) How aseptic area could be designed and evaluated.
 - b) Enumerate IP method for the testing of pyrogen in parenterals.
- Q9. Highlight formulation, packaging and evaluation of paracetamol tablet IP.
- Q10. Write note on:
 - a) Stability testing
 - b) Wound dressing
 - c) Organ replacement materials

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.

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