



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 150614

Roll No.

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B.Pharma. (Semester-VIII)

SPL. THEORY EXAMINATION, 2014-15

**PHARMACEUTICS-VII (PHARMACEUTICAL
TECHNOLOGY-II)**

Time : 3 Hours]

[Total Marks : 80

Note: Attempt all questions.

1. Attempt any four of the following: 4×4=16
- (a) What do you understand by accelerated stability testing in capsules?
 - (b) What is the importance of base absorption and minim/gram factors in the filling of soft gelatin capsule content?
 - (c) Explain any one industrial method for filling of hard gelatin capsules.
 - (d) Explain the process of microencapsulation by coacervation phase separation technique.

- (e) Give parameter for evaluation of microcapsules.
2. Attempt any four of the following: $4 \times 4 = 16$
- (a) Explain the various granulation techniques and compare their processing steps in brief.
- (b) Briefly explain the physics of tablet making.
- (c) Explain the quality control tests for tablets as per I.P.
- (d) What is capping and lamination problem? Discuss causes and their remedies.
- (e) Explain the terms:
- (i) Mottling of tablets
- (ii) Orange peel effect
3. Attempt any two of the following: $2 \times 8 = 16$
- (a) Discuss the various principle for oral sustained release formulations.
- (b) Define the following terms:
- (i) Liposomes
- (ii) Microsphere
- (iii) Nanoparticles
- (iv) Niosome

- (c) What are the parameters must be kept in mind during formulation of ophthalmic products ?
4. Attempt any two of the following: $2 \times 8 = 14$
- (a) Give the pretreatment and manufacturing of water for injection. Add a note on the standards for WFI.
- (b) Write in detail the quality control tests for parenterals.
- (c) Explain the method of preparation of sterile powders.
5. Attempt any two of the following: $2 \times 8 = 16$
- (a) Write a note on Ligatures and sutures.
- (b) Enlist the type of packaging components. Explain their methods of evaluation.
- (c) Write short notes on the following:
- (i) Primary wound dressing
- (ii) Package testing

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