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Roll No .....

PY-801 (GS)

B. Pharmacy VIII Semester Examination, June 2020

Grading System (GS)

Pharmaceutics - X

(Pharmaceutical Technology - II)

Time : Three Hours

Maximum Marks : 70

Note : i) Attempt any five questions.
ii) All questions carry equal marks.

1. Define the term 'microencapsulation'. Explain polymerization complex emulsion technique with a suitable example.

2. Discuss packaging components in brief. Write note on containers and closures used for pharmaceutical packaging.

3. Describe formulation consideration for matrix based sustained release formulation.

4. Explain in detail matrix and reservoir techniques along with the product evaluation and testing.

5. Describe in details dry and wet granulation methods.

6. Write a brief note on the following:
   a) Pilot plant scale of technique
   b) Osmotic drug delivery system

7. Define liposome. Discuss method of preparation of liposome their application in drug delivery.

   OR

   Discuss the new technologies used in production of granules on large scale.

8. Write notes on (any two):
   a) Phase separation and co-acervation
   b) Zero order and first order release kinetics
   c) Package testing
   d) Force displacement (F-D) Curves

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