

# **2012 scheme**

**Q P CODE: 414006**

**Reg. No: .....**

## **Final Year B.Pharm Degree Supplementary Examinations December 2022**

### **Pharmaceutics - VI (Formulative & Industrial Pharmacy)**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary.*

#### **Essays**

**(3x10=30)**

1. Describe the different methods of manufacturing granules.
2. Discuss the formulation and evaluation of parenteral products.
3. Define the term microencapsulation. List down the merits and demerits of microencapsulation. Explain in detail about any one microencapsulation technique.

#### **Short notes**

**(14x5=70)**

4. Film coating defects.
5. Rotary die process for manufacture of soft gelatin capsules.
6. Filling and sealing of ampoules.
7. Preparation of sterile powders.
8. Classification of aerosols with examples.
9. Applications of aerosols.
10. Preparation of catguts.
11. Production of dried human plasma.
12. Tests to assure the quality of glass.
13. Ideal properties of shampoo.
14. Preparations for oral hygiene.
15. Merits, demerits & applications of niosomes.
16. Advantages and disadvantages of controlled drug delivery systems.
17. Process validation.

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