

# **2012 scheme**

**Q P CODE: 414006**

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

**Final Year B.Pharm Degree Supplementary Examinations May 2023**  
**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. Enlist the different types of coating. Explain film coating and evaluation of coated tablets.
2. What are parenterals. Classify it with suitable examples. Explain in detail about quality control tests for parenterals.
3. Write the applications of microencapsulation. Explain the phase separation coacervation technique of microencapsulation with example.

**Short notes**

**(14x5=70)**

4. Defects occur in manufacturing of tablets.
5. Formulation of hard gelatin capsules.
6. Define Pyrogens. Explain various techniques for the removal of pyrogens.
7. Isotonicity and adjustment of isotonicity of parenteral.
8. Various propellants used in aerosols.
9. Formulation and evaluation of ophthalmic preparations.
10. Official standards for catgut.
11. Plasma substitutes.
12. Advantages and disadvantages of plastic as a packaging material.
13. Formulation of face powder with a suitable example.
14. Formulation and manufacture of lipstick.
15. Applications of transdermal drug delivery systems.
16. Osmotic drug delivery system.
17. Validation and its types.

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