

# **2012 scheme**

**Q P CODE: 414006**

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

## **Final Year B.Pharm Degree Supplementary Examinations September 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. Write the different methods for air control during manufacturing and packaging of parenterals. Add a note on sterility testing.
2. Discuss any four official quality control tests for tablets. Add a note on wet granulation method.
3. Classify different methods for filling of aerosols and explain any one method in detail. Discuss in brief different components of aerosol packaging

**Short notes**

**(14x5=70)**

4. What are pyrogens. Mention the sources of pyrogens. Explain the principle involved in LAL test for pyrogens.
5. Explain the various techniques for filling of hard gelatin capsules.
6. Write the different components of ophthalmic formulations.
7. Transdermal drug delivery systems.
8. Write a note on production of dried human plasma.
9. Enumerate microencapsulation techniques. Explain air suspension technique in brief.
10. Process validation.
11. Explain the quality control tests for aerosols.
12. What are niosomes. Write their applications.
13. Explain the standardization of surgical catgut
14. Oral hygiene preparation.
15. Processing problems in coated tablets.
16. List out the ideal properties of hair dyes
17. Explain quality control tests for glass as a packing material

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