

QP Code: 522006

Reg. No.....

**Fifth Semester B. Pharm Degree Regular/Supplementary  
Examinations January 2023  
Formulative Pharmacy  
(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *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 diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Discuss the various physico-chemical properties of drug substances in preformulation study.
2. Explain the manufacturing of hard gelatin capsule, and discuss the quality control test for finished capsules.

**Short Notes**

**(7x5=35)**

3. Describe the excipients used for tablet preparation.
4. Advantages of aerosols.
5. Explain the methods of sterilization of parenteral preparation.
6. Discuss various methods used for filling of aerosols.
7. Explain pyrogen and write the testing of pyrogen.
8. Explain the formulation and manufacturing of sunscreen lotions.
9. Explain legal and official requirements for containers.

**Answer Briefly**

**(10x2=20)**

10. Explain polymerization and its application.
11. Explain the factors affecting flow property.
12. Characterization of lyophilized product.
13. List out advantages of pelletization technique.
14. List out various parts used for aerosol valve assembly.
15. BCS classification of drugs.
16. Classify different types and its properties of hair dyes.
17. Explain the methods of polishing of capsules.
18. Explain the vehicles used for parenteral preparation.
19. Explain the ideal characters of shampoos.

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