

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 18

**Pharm. D (Sem.-3)**  
**PHARMACEUTICAL FORMULATIONS**  
Subject Code : 3.6  
M.Code : 71439

Time : 3 Hrs.

Max. Marks : 70

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A contain SEVEN questions. Attempt any FIVE questions. Each question will carry TWO marks each.
2. SECTION-B contain EIGHT questions (Short Essay Type). Attempt any SIX questions. Each question will carry FIVE marks.
3. SECTION-C contain THREE questions (Long Essay Type). Attempt any TWO questions. Each question will carry FIFTEEN marks.

**SECTION-A**

1. What are enteric coated tablets?
2. Which type of ingredients cannot be filed in hard gelatin capsules?
3. Define Emulsions.
4. What is meant by sedimentation volume in suspensions?
5. What is the limit for particulate matter in SVPs?
6. What are jellies and what are their ingredients?
7. What are suppositories and pessaries?

**SECTION-B**

8. Enumerate different types of tablet coating processes. Give examples of non enteric and enteric coating polymers and briefly explain the film coating process.
9. Enumerate the quality control tests conducted on hard gelatin capsules. Describe the weight variation test and mention the limits.

10. Describe the quality control parameters for suspensions.
11. Give an account of containers used for parenterals.
12. Enlist various types of ointment bases with examples. Mention the key features of each type of base.
13. Differentiate between matrix and reservoir type of transdermal patch.
14. Write a note on buccal drug delivery systems.
15. Give an account of ocular drug delivery systems.

#### SECTION-C

16. What are melting and non-melting suppository bases? Give examples of each type of base. Give an account of packaging for suppositories.
17. Give a schematic representation for filling of soft gelatin capsules. Briefly describe their quality control tests.
18. Mention different types of emulsions and describe their quality control parameters.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**