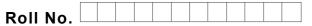
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Total No. of Pages : 02

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# 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.

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- 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 filing 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.