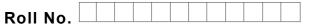
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Total No. of Pages : 02

Total No. of Questions : 18

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# Pharm. D (Sem.–3) PHARMACEUTICAL FORMULATIONS Subject Code : 3.6 Paper ID : [A2569]

# 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. Give four examples of directly compressible diluents.
- 2. Mention the disintegration time requirement (IP) for film coated tablets and enteric coated tablets.
- 3. What is creaming and cracking of emulsions?
- 4. Mention the limit for particulate matter in SVPs.
- 5. What is angle of repose and what is its significance?
- 6. Enumerate the parts of a matrix type of transdermal system.
- 7. What is meant by Carr's Index?

#### **SECTION-B**

- 8. Enumerate different techniques of preparing granules. Suggest remedies for low harness of granules and high weight variation of tablets.
- 9. Enumerate the quality control tests conducted on soft gelatin capsules. Briefly outline the steps involved in checking weight variation of soft gelatin capsules and mention its pharmacopoeial limits.
- 10. Mention the ingredients of a suspension dosage form. Briefly describe the tests conducted for evaluating the stability of suspensions.

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- 11. Comment on the sterilization of parenteral solutions packed in LDPE bottles.
- 12. Give an account of materials used for formulating drug implants.
- 13. Give four examples of polymers used for enteric coating. Highlight the need for including
  - (a) Titanium dioxide and
  - (b) Plasticizer in film coating solution.
- 14. Mention four Jelly forming agents. Enumerate the important characteristics of jellies as drug delivery systems.
- 15. Comment on occuserts and the polymers used for their formulation.

#### **SECTION-C**

- 16. Outline the general procedure for film coating of tablets. Describe the tests carried out on coated film tablets and mention their pharmacopoeial limits.
- 17. Enlist different materials that can be packed in soft gelatin capsules. Mention the advantages and limitations of soft gelatin capsules as a drug delivery system. Describe the filling of soft gelatin capsules.
- 18. Write short notes on :
  - (a) Water soluble ointment bases for ocular use
  - (b)Buccal drug delivery.
  - (c)Advantages associated with drug delivery from suppositories.