


| Name: | |  | |
|---|---|--|-----|
| Enrolment No: | | | |
| UPES End Semester Examination, December 2024 | | | |
| Course: Pharmaceutics I Program: B. Pharm Course Code: BP 103T | | Semester : I Duration : 03 Hours Max. Marks: 75 | |
| Instructions: Attempt all the sections. | | | |
| SECTION A (20Qx1M=20 Marks) | | | |
| S. No. | | Marks | COs |
| Q. 1. | “Galen” coined the term _____. | 1 | CO1 |
| Q. 2. | Latest IP came into existence in year _____. | 1 | CO1 |
| Q. 3. | Define “Pharmacy”. | 1 | CO1 |
| Q. 4. | Enlist name of different Pharmacopoeia. | 1 | CO1 |
| Q. 5. | Define divided powders. | 1 | CO1 |
| Q. 6. | Name any 2 therapeutical incompatibilities. | 1 | CO2 |
| Q. 7. | Give formula to calculate dose based on Body surface Area | 1 | CO2 |
| Q. 8. | Define “Drug”. | 1 | CO2 |
| Q.9. | Define R _x in prescriptions. | 1 | CO2 |
| Q. 10. | Give formula of Displacement value. | 1 | CO3 |
| Q. 11. | Explain Isotonic solutions. | 1 | CO3 |
| Q. 12. | Name methods used for preparation of emulsion. | 1 | CO3 |
| Q. 13. | State Imperial system. | 1 | CO3 |
| Q. 14. | Give example of Surfactants. | 1 | CO4 |
| Q. 15. | Define pastes. | 1 | CO4 |
| Q. 16. | What are lotions? | 1 | CO4 |
| Q. 17. | List disadvantages of liquid dosage form. | 1 | CO4 |
| Q. 18. | Calculate the dose of paracetamol for Akash born on 1 January, 2023. Adult dose of paracetamol is 500 mg. | 1 | CO5 |
| Q. 19. | Enumerate methods to overcome stability problems of emulsion. | 1 | CO5 |
| Q. 20. | Define biphasic liquid dosage forms with example. | 1 | CO5 |
| SECTION B (20 Marks) (2Qx10M=20 Marks) Attempt 2 Question out of 3 | | | |
| Q. 1. | Describe parts of prescription. Give detailed note on handling of prescription. | 5+5 | CO1 |
| Q. 2. | Write a note on factors affecting Posology. | 10 | CO2 |
| Q. 3. | Give a detailed note on physical and chemical pharmaceutical incompatibilities. | 5+5 | CO3 |

SECTION-C (35 Marks)**(7Qx5M=35 Marks)****Attempt 7 Question out of 9**

| | | | |
|--------------|--|----------|------------|
| Q. 1. | Enlist excipients used in formulation of liquid dosage forms. | 5 | CO1 |
| Q. 2. | What are the ethical responsibilities of a pharmacist in relation to his/her medical profession? | 5 | CO1 |
| Q. 3. | Give definition, formula, and uses of below (<u>any two</u>): i. Lotion ii. Syrups iii. Elixirs iv. Ointment | 5 | CO2 |
| Q. 4. | Explain o/w and w/o emulsions with diagram. | 5 | CO3 |
| Q. 5. | Describe types of suppositories with example. | 5 | CO3 |
| Q. 6. | Differentiate between flocculated suspension and deflocculated suspension. | 5 | CO4 |
| Q. 7. | Classify and discuss powders with example. | 5 | CO4 |
| Q. 8. | Explain the factors influencing the dermal penetration of drugs. | 5 | CO5 |
| Q.9. | Write a note on evaluation of emulsions. | 5 | CO5 |