

QP Code: 123006

Reg. No.....

First Semester B.Pharm Degree Supplementary Examinations
March 2023
Pharmaceutics- I
(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 table/diagrams/flow charts wherever necessary*

Essay

(2x10=20)

1. Define and classify the semisolid dosage forms. Explain the mechanisms and factors influencing dermal penetration of drugs. Add a note on the evaluation of ointments.
2. Discuss the merits and demerits of the liquid dosage forms. Write the excipients used for the formulation of liquid dosage forms and explain the solubility enhancing techniques.

Short Notes

(7x5=35)

3. Enema and its applications.
4. Stability problems in emulsion.
5. Properties of ideal suppositories.
6. Find the concentration of sodium chloride required to render a 1% solution of cocaine hydrochloride iso osmotic with blood plasma. Freezing point of 1%w/v solution of cocaine hydrochloride is -0.09°C and that of 1%w/v of solution of sodium chloride is -0.0576°C
7. Factors affecting posology.
8. Pharmacopoeia
9. Show the calculation to prepare 500ml of 35%v/v alcohol from 50%v/v and 25% v/v alcoholic solutions.

Answer Briefly

(10x2=20)

10. Eutectic mixture
11. Differentiate between lotions and liniments.
12. Effervescent powders
13. Use of sodium citrate in calamine lotion.
14. Difference between Avoirdupois system and Apothecary's system
15. Difference between ointments and pastes
16. Physical incompatibility
17. Primary emulsion ratio for emulsion containing fixed oil and volatile oil.
18. Convert the domestic measures into Metric measure
 - One table spoonful
 - one tumblerful
 - one dessert spoonful
 - one drop
19. Translate the Latin terms in to English
 - od
 - qid
 - prn
 - sos.
