

Roll No.....

Total No. of Questions : 10]

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PHM-3.5.2
PHARMACEUTICS-V
(Pharmaceutical Technology-I)
(B.Pharmacy, 5th Semester, 2124)

Time : 3 Hours

Maximum Marks : 80

Note :- Section A is compulsory. Attempt any *Four* questions from Section B and any *Three* questions from Section C.

Section-A Marks : 2 Each

1. (a) What are auxiliary emulsifying agents ?
- (b) Give examples of dentifrice.
- (c) Enlist the ingredients of lipstick.
- (d) Define and mention incompatibilities of tinctures.

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(2)

- (e) What is a soft extract ?
- (f) What are chelating agents ?
- (g) Enlist the solvents used in nail polish.
- (h) Give examples of suspending agents.
- (i) Define an infusion.
- (j) Give examples of preservatives used in ophthalmic preparations.
- (k) Give examples of water soluble bases used for ointments.
- (l) Why ophthalmic preparations should be isotonic with lacrymal fluid ?
- (m) Name plasma substitutes official in IP ?
- (n) What is dextran and where is it used ?
- (o) Enlist ingredients from which clear gels can be prepared.

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(3)

Section-B

Marks : 5 Each

2. Briefly, giving examples, write about antioxidants and preservatives used in liquid dosage forms.
3. Which properties make an ingredient ideal choice for use as suppository base ?
4. Comment on storage of human blood.
5. Mention important considerations for baby dusting powders.
6. Briefly mention the packaging requirements for aerosols.

Section-C

Marks : 10 Each

7. Discuss the indices of suspension instability and their evaluation.
8. Explain with the help of a flow chart how dried human plasma is prepared. Mention its storage and packaging requirements and its uses.

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9. Discuss, with examples, various melting and dissolving suppository bases.
10. Write the formula for moisturizing cream/lotion and explain the reason for including each ingredient.

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