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(2066)

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B. Pharmacy 6th Semester Examination

Pharmaceutical Technology-I (NS)

BP-364

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt any two questions from section A, eight questions from section B and section C is compulsory.

SECTION - A

1. Discuss the structure and functions of Hair. Describe formulation and packaging of various hair cosmetics. (10)
2. What is the significance of preformulation studies? Discuss the different physical properties studied during preformulation stage of formulation development. (10)
3. What are the ideal properties of a plasma substitute? Discuss two plasma substitutes in detail. (10)

SECTION - B

4. Discuss the effect of dissolution on stability and bioavailability of formulations. (5)
5. What are the causes and remedy for creaming in emulsions? (5)
6. Write a note on dry and soft liquid extracts. (5)

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7. Give a description about collection, processing and storage of whole human blood. (5)
8. Explain about manicure preparations. (5)
9. Write a note on Soxhlet and its merits over infusion. (5)
10. Describe various liquid vehicles. (5)
11. Explain mechanisms of skin penetration. (5)
12. Write a note on Lipsticks. (5)
13. Explain prodrugs. (5)

SECTION - C

14. Differentiate between WHO and ICH guidelines of stability testing. (2)
15. Mention ideal characteristics of ointments. (2)
16. Draw the structure of skin. (2)
17. State different tests to identify the type of emulsions. (2)
18. Why are concentrated human RBCs superior to whole human blood? (2)

[P.T.O.]