

B. Pharm. - III Year (New Course) (Annual Pattern)
35016 : Industrial Pharmacy - I - III.T.2

P. Pages : 1

Time : Three Hours



AU - 0640

Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **any eight** question.
 3. Illustrate your answer necessary with the help of neat sketches.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

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| 1. | What are the ideal properties ointment base? Describe the various types of ointment bases used in formulation of topical preparation. | 10 |
| 2. | Discuss the structure of skin and explain the mechanism of drug penetration. | 10 |
| 3. | Discuss various formulation additives of liquid oral formulations. | 10 |
| 4. | Define solubility. Discuss in detail various methods of enhancement of solubility. | 10 |
| 5. | Explain factors affecting penetration of drug. Write complete evaluation tests of cosmetics. | 10 |
| 6. | a) Differentiate between flocculated and deflocculated suspension. | 5 |
| | b) Write a note on plasma substitute. | 5 |
| 7. | Discuss formulation, packing and evaluation of vanishing cream and face powder. | 10 |
| 8. | Give a detailed account on absorbable sutures and ligatures. | 10 |
| 9. | a) What are manicure products? Give the formulation of lipstick along with examples. | 5 |
| | b) Write a note on skin irritancy test used for various cosmetics. | 5 |
| 10. | a) Write in brief about manufacturing of ophthalmic solution. | 5 |
| | b) Explain briefly solid state and liquid state stability studies. | 5 |
