

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO)**2 X 20 = 40 Marks**

1. What are the liquid state studies with reference to preformulation?
2. Explain the various testing measures, mode of packaging and storage conditions of cosmetic preparation.
3. Discuss the manufacturing equipment and various equipment used in capsule technology

SHORT ESSAY (Answer any FIVE)**5 X 10 = 50 Marks**

4. Monitoring and prevention of fire accident in a pharma industries.
5. How will you perform pilot study of tablets?
6. Detailed in sterility testing of parenterals
7. Explain the importance of solid dispersions?
8. Explain statistical design and optimization
9. What are the impacts of GATT and TRIPS on Indian pharma industry?

SHORT NOTES**2 X 5 = 10 Marks**

10. GMP
11. Packaging and storage conditions of lipsticks.

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