

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. (a) Discuss the quality control of liquid dosage forms
(b) Explain the quality control of baby care products
2. (a) Highlight the principles and pharmaceutical applications of polarography
(b) Explain P^M indicators
3. (a) Explain ceric ammonium sulphate titrations
(b) Titanus chloride titrations

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

4. Write a note on safety for cosmetic products
5. Explain the quality control of crude drugs
6. Discuss the principle and application of amperometry
7. Explain the assay of any two compounds in IP 1996 by Non – aqueous titrations.
8. How will you carry out the quantitative determination of preservatives and stabilizers
9. Explain the principle and reaction involved in the assay of Bisacodyl suppositories and cephalexin capsules IP 1996

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

10. What are high frequency titrations
11. What are mixed and universal indicators? Give examples

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