



[Time: 3 Hours]

[Max. Marks: 100]

**PHARMACEUTICAL AND COSMETIC ANALYSIS**

**(Revised Scheme 2)**

**Q.P. CODE : 9222**

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) High light 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 principal 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 cephalixin 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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