



[Time: 3 Hours]

[Max. Marks: 100]

PHARMACEUTICAL AND COSMETIC ANALYSIS

(RS 2 & RS 3)

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) Explain various types of conduct metric titrations
(b) Write note on dropping mercury electrode
2. (a) Explain the principle of diazotization titrations
(b) Halogenated salts of bases by non aqueous titration
3. (a) Discuss the Quality control of capsules
(b) Explain the various steps in quantitative analysis by gravimetric method

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Explain cerio ammonium sulphate titration with suitable example
5. Discuss principle and application of non – aqueous titrations
6. How will you carry out quality control test for shampoos
7. Explain by karl – fischer titration the determination of water content
8. Explain the titration involving the displacement of one complex by another
9. Define ash values and extraction values. Also add a note on microscopy evaluation

SHORT NOTES

2 X 5 = 10 Marks

10. What are primary and secondary standard, give examples?
11. Explain amperometry principle

* * * * *