



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.

LONG ESSAY (Answer any TWO)

2 X 20 = 40 Marks

1. a) Write the preparation, standardization and application of Karl-Fischer reagent.
b) Explain the principle and applications of Diazotisation titrations with examples from IP1996.
2. a) Discuss briefly the quality control measures for parenteral preparations.
b) What are the quality control methods for skin care products?
3. a) Explain the principle, procedure and application of Polarography analysis.
b) List-out the differences between Polarography and Amperometry.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Explain the principle, procedure and application of thermogravimetric analysis.
5. Explain the identification and quantitative analysis of emulsifiers and stabilizers in pharmaceutical formulations.
6. Discuss the principle, method and applications of high frequency titrations.
7. Write a note on legal aspects to be considered for cosmetic products.
8. Write a note on titanous chloride titrations with examples from IP 1996.
9. Discuss the quality control of closures and caps.

SHORT NOTES

2 X 5 = 10 Marks

10. Explain the principle, reaction and procedure of Calcium gluconate injection assay, IP-1996.
11. How are the following determined for crude drug?
 - a) Ash Value
 - b) Fibre content

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