www.FirstRanker.com

PHARMACEUTICAL AND COSMETIC ANALYSIS

(RS2 & RS3) Q.P. CODE : 9222

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

LONG ESSAY (Answer any <u>TWO</u>)

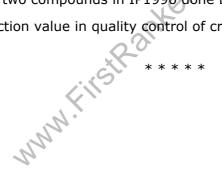
- 1. a) Write a neat diagram and explain working of dropping mercury electrode.
 - b) Explain the principle, construction and working of a glass membrane electrode.
- 2. a) Explain the principle, types and application of complexometric titrations.
- b) Discuss quality control of secondary packing materials, like paper and board for pharmaceuticals.
- 3. a) Explain the assay of any one compound in IP 1996 done by Potassium bromate and ceric ammonium sulphate titrations.
 - b) Explain the various steps in quantitative analysis by gravimetric method.

SHORT ESSAY (Answer any FIVE)

- 4. Explain the principle, procedure and application of differential thermal analysis.
- 5. Discuss about neutralization curve obtained when weak acid is titrated against strong base.
- 6. Discuss the quality control tests for ointments and suppositories.
- 7. Explain the detection and quantitative determination of preservatives and colouring materials.
- 8. Write a note on safety of cosmetic products.
- 9. Discuss the quality control of dental products.

SHORT NOTES

- 10. Explain the assay of two compounds in IP1996 done by non-aqueous titrations.
- 11. Importance of extraction value in quality control of crude drugs



2 X 20 = 40 Marks

5 X 10 = 50 Marks

2 X 5 = 10 Marks

EMBER 2015 [Max. Marks: 100]

FirstraRajiv Gandhi University of Health First Year M.Pharm Degree Examination – NC

[Time: 3 Hours]