



[Time: 3 Hours]

[Max. Marks: 75]

**Cosmetic Analysis and Evaluation**

**Q.P. CODE: 5152**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

**LONG ESSAY (Answer any Three)**

**3 X 10 = 30 Marks**

1. Explain the general methods of analysis of any two raw material used in cosmetic manufacture as per BIS.
2. Describe the Indian standard specifications laid down for sampling and testing of any two skin care products.
3. Explain the performance evaluation of shampoos and antiperspirants.
4. Write about the quality parameters and analysis of rheology modifiers.

**SHORT ESSAY (Answer any Nine)**

**9 X 5 = 45 Marks**

5. Explain the determination of acid value and iodine value of cosmetics raw materials.
6. Explain the principle of equipment sebumeter.
7. Explain about the analysis parameter any one preservative.
8. Describe the evaluation methods of lipsticks.
9. Write a note on abrasiveness of dentifrices.
10. Explain about any one personal hygiene product.
11. Write about the analysis of hair conditioners.
12. Explain the determination of fineness of powders of cosmetics raw materials.
13. Describe the principle and procedure for determination of moisture content.
14. Write a note on hair combing properties.

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