

**B.Sc.-M.Sc. INTEGRATED PROGRAMME**  
**SCLS, JAMIA HAMDARD**  
**SEMESTER- IV EXAMINATION 2019**  
**PAPER CODE: SEC-04**  
**PAPER TITLE: CHEMISTRY OF COSMETICS & PERFUMES**

**Time: 90 min**

**Maximum marks: 37**

*(Write your Roll No. at the top immediately on receipt of this question paper)*

**Q1. Answer ALL the questions given below**

**7 x 1 = 7**

- A. State the main ingredient of nail paint remover.
- B. What is Talc?
- C. What is Vanishing cream?
- D. State the main ingredients of shampoo.
- E. Give an example of essential oils containing hydroxyl group.
- F. State the main ingredients of shaving creams.
- G. How do sun-tan lotions work?

**Q1. Answer ANY TWO of the following:**

**2 x 7.5 = 15**

- A. Explain the chemistry involved in hair dyes.
- B. What are suntan lotions? How do they work? Explain the formulations of suntan lotions.
- C. Explain the preparations and uses face powders.
- D. What are the ideal characteristics of lipstics (or lipsticks)? Explain the different ingredients present in lipstics and the preparatory methods of lipstics.

**Q3. Answer ANY TWO of the following:**

**2 x 7.5 = 15**

- A. Explain different methods of extraction of essential oils.
- B. Write a short note on nail paints and their preparations?
- C. State the different methods of hair removal. Explain the basic formulation of hair removal creams.
- D. Explain the basic formulations of cold creams.

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