

[2 Hours]

[Total Marks : 40]

Please check whether you have got the right question paper.

- N.B:**
1. All questions are **compulsory**
 2. **Figures** to the **right** indicate **full marks**.

- Q.1 Answer the following: (10)
- a) Define cosmetics. Classify cosmetics based on intended use.
 - b) Discuss formulation of baby powder.
 - c) Give the composition of cuticle removers.
 - d) Justify the use of two different classes of colours used in lipsticks.
 - e) Enlist ideal properties of shampoos.
 - f) State the different types of bath products
- Q.2 Answer **any two** (6)
- a) Give an account of cleansing preparations.
 - b) Elaborate on antioxidants used in cosmetics.
 - c) Justify the use of combination of solvents in nail lacquers.
- Q.3 Answer **any two** (6)
- a) Enlist eye makeup products. Describe any one.
 - b) Give examples of sunscreens agents. Explain any two evaluation tests for sunscreens.
 - c) What are hair conditioners? What are the different substances that can be used as hair conditioners?
- Q.4 Answer **any two** (6)
- a) Write on large scale manufacturing of Compact face powder.
 - b) Discuss quality control tests done on shaving products.
 - c) Enlist types of dentifrices and elaborate on any one type.
- Q.5 a) Explain the methods used in sensorial evaluation of cosmetics. (3)
- b) Write 2 in-vitro tests for skin irritation. Discuss sensitivity testing of cosmetic products done on human volunteers. (3)
- Q.6 a) Enlist various methods of purification of water. Write a note on any one method. (2)
- b) What are the key parameters of senses to be considered for sensorial evaluation. (2)
- c) Enlist different methods of hair removal. (2)