

[Time:2 hours]

[ Marks:40]

Please check whether you have got the right question paper.

- N.B:
1. Question 1 is compulsory.
  2. Attempt any three out of remaining four questions.
  3. Figures to the right indicate full marks.

- Q 1** Answer in brief :- **10**
- a) State various sensitization and irritation reactions due to cosmetics.
  - b) Write a note on antiperspirants.
  - c) Define lake colors. Give an example of coal tar dyes and natural dyes.
  - d) State ideal properties of face powders.
  - e) Why is a blend of waxes preferred in lipsticks formulation?
- Q 2**
- a) Discuss raw materials used in formulating vanishing creams **04**
  - b) How is the evaluation of sunscreen products done? **04**
  - c) Differentiate between primary and secondary film formers. **02**
- Q 3**
- a) Elaborate on evaluation of lipsticks **04**
  - b) Give an account of large scale manufacturing of toothpastes **04**
  - c) Define and classify cosmetics **02**
- Q 4**
- a) Write notes on (any two) **08**
    1. Baby cosmetics
    2. Hair colorants
    3. Men's hair dressing preparations
  - b) Enlist various make up products. Elaborate on eyeliner. **02**
- Q 5**
- a) Discuss various foaming shaving products. **04**
  - b) What are the causes of microbial contamination and suggest suitable remedial measures **04**
  - c) Enlist labeling requirements as per D&C Act. **02**

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