

AU-855

Faculty of Cosmetic Technology
B.Tech. Semester—III (Cosmetics) Examination
COSMETIC CHEMISTRY—III
Paper—3.2

Time : Three Hours]

[Maximum Marks : 60

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry equal marks.
 - (2) Answer **ALL** questions.
 - (3) Diagrams and Chemical equations should be given wherever necessary.
 - (4) Discuss the reaction, mechanism wherever necessary.
 - (5) Use pen of Blue/Black ink/refill only for writing the answer book.
1. What are surfactants ? Explain in detail about the classification of surfactants w.r.to its cosmetic application. 12
 2. Discuss in detail about the methods of preparation, both physical and chemical properties and uses of carboxylic acid. 12

OR

- What are 1°, 2° and 3° alcohols ? How would you distinguish between them ? 12
3. Discuss in detail about the various physicochemical characteristics of raw material used in cosmetic formulation. 12
 4. Explain in detail about the method of preparation, physicochemical properties and uses of aldehydes. 12

OR

- Discuss the various methods of preparation, physicochemical properties and uses of aromatic nitro compounds. 12
5. Write short notes on (any **TWO**) :
 - (i) HLB Scale
 - (ii) Carbocation
 - (iii) Polyols and its uses
 - (iv) Inductive effect. 12

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