

AQ-576A

Faculty of Cosmetic Technology
M.Tech. (Cosmetic Technology) Semester-I (New)
Examination

PRINCIPLES OF COSMETIC TECHNOLOGY

(Common For All Branches)

Paper—1-T-1

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) **ALL** questions carry equal marks.
- (2) Answer any **five** questions.
- (3) Illustrate your answers wherever necessary with the help of neat sketches.
- (4) Use pen of Blue/Black ink/refill only for writing the answer book.

1. Explain in detail theoretical considerations & mechanism of solubilization. 16
2. (a) Explain in detail particle-particle interaction. 8
(b) Explain in detail industrial processing of emulsion. 8

OR

Explain in detail assessment & prediction of emulsion shelf life & add a note on physical parameters used to evaluate emulsion stability. 16

3. Explain in detail how rheology affects cosmetic product design with suitable examples. 16
4. Explain in detail various methods to determine particle size & particle surface area. 16

OR

- (a) Explain in detail air permeability technique used in micromeretics. 8
 - (b) Explain in detail viscoelasticity & creep testing. 8
5. Write notes on (Any 2) :
 - (i) Wetting & water repellency
 - (ii) Liquid-Liquid interface
 - (iii) Applications of dispersion techniques in cosmetics. 16