

Faculty of Cosmetic Technology
M.Tech. (Cosmetics Technology) Semester-I (New) Examination
PRINCIPLES OF COSMETIC TECHNOLOGY
(Common For All Branches)
Paper—I-T-1

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry equal marks.
 - (2) Answer **all** 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. Discuss in detail various factors affecting Micelle formation and give the methods for investigation of Micellar solutions.

OR

- Explain in detail Electrical phenomena at interface and add a note on zeta potential. 16
2. Explain in detail theories of Emulsion. Discuss in detail industrial processing and large scale manufacturing of Emulsion.

OR

- Discuss in detail Liquid-Liquid interface. 16
3. Explain in detail various methods to determine particle size and surface area. 16
 4. Explain in detail adsorption on solid surface. 16
 5. Write notes on (any **two**) :
 - (i) Chemical and physical factors affecting Rheological properties
 - (ii) Flow properties of powder
 - (iii) Thixotropy and its applications to cosmetic formulations. 16