

Faculty of Cosmetic Technology
M.Tech. (Cosmetics Technology) Semester-I Examination
QUALITY ASSURANCE TECHNIQUES
(Common For All Branches)

Paper—1-T-2

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry equal marks.
 - (2) Answer **all** questions.
 - (3) Use pen of Blue/Black ink/refill only for writing the answer book.
1. Define chromatography. Explain in detail about the classification of chromatography. Describe in detail about the basic principle and applications of HPLC. 16
 2. Explain the various methods used for the analysis of shampoo. 16

OR

- Explain in detail about the method used for the determination of calcium by flame photometer. 16
3. Explain in detail about the working, principle and application of I. R. spectrophotometer. 16

OR

- Describe in detail about the various methods used for the analysis of packaging of containers and closures. 16
4. Describe in detail about the importance of documentation, requirements and procedure for documentation. 16
 5. Write short notes on (any **two**) :
 - (i) Thin layer chromatography
 - (ii) Atomic absorption spectroscopy
 - (iii) Determination of toxic elements. 16