

AU-899

Faculty of Cosmetic Technology
M.Tech. (Quality Assurance) Semester—II Examination
ADVANCED QUALITY ASSURANCE TECHNIQUE-II
Paper—2-T-2

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry equal marks.
 - (2) Answer all **FIVE** questions.
 - (3) Diagrams and Chemical equations should be given wherever necessary.
 - (4) Use pen of Blue/Black ink/refill only for writing the answer book.
1. What is consumer safety ? Explain various techniques of preservation of cosmetics from microbial contamination. 16
 2. Explain various steps of Quality management during preparation of oral hygiene products. 16
 3. Give theory, instrumentation and application of UV spectroscopy in evaluation of cosmetic products.

OR

- What is emission spectroscopy give its theory, principle and instrumentation ? 16
4. Discuss the role of chromatography in separation techniques and add a note on adsorbants and solvent system used in chromatography.

OR

- Give detailed account of Gas Liquid Chromatography. 16
5. Write notes on (any **two**) :
 - (a) Toxicity testing in cosmetics
 - (b) Quality management of Hair dyes
 - (c) Ion exchange chromatography. 2×8=16