

**AQ-577A**

**Faculty of Cosmetic Technology**  
**M.Tech. (Cosmetics Technology)**  
**Semester-I (New) 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) Due credit will be given to neatness and adequate dimensions.
  - (3) Use pen of Blue/Black ink/refill only for writing the answer book.
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1. Describe the statutory requirements and procedure for documentation used in quality assurance in cosmetic industry. 16
  2. (i) Discuss the evaluation of shampoo. 8  
(ii) Explain in detail about Hair lotions analysis. 8
  3. (i) What are dentifrices ? Describe evaluation methods of toothpaste in detail. 8  
(ii) Explain various methods of evaluation of lipsticks. 8

4. Explain the principle, instrumentation and application of GLC. 16

**OR**

What are the various methods for determination of toxic elements in cosmetic products ? 16

5. Write short notes on (**Any two**) :

- (i) Sampling plans and procedures for cosmetics products and raw materials.
- (ii) Nephelometry and Turbidimetry. 16

**OR**

- (i) Give the principles and procedures involved in Biological testing of pyrogens.
- (ii) Discuss quality assessment of packaging containers and closure. 16