

**M. PHARMA FIRST YEAR SECOND SEMESTER EXAMINATION - 2024**  
**COURSE NAME: COSMETIC AND COSMECEUTICALS**  
**COURSE CODE: MPH204T**

**Time: 3-hour**

**Full Marks: 75**

Answer any **five** questions taking **at least one** from each group

**Group-A**

1. Write down the mechanism of deodorant and antiperspirant. (15)
2. Write short notes on the causes and treatment of the following: (15)
  - a. Acne
  - b. Prickly heat
  - c. Wrinkles

**Group-B**

3. What do you mean by SPF? What are the various guidelines of testing the sweat resistance of sunscreen products? What are the skin effects of UV and IR radiations? (2+5+8=15)
4. a) Discuss sensitive and resistant skin. (8)  
b) Write in detail the formulation aspects of toothpaste. (7)

**Group-C**

5. Write in detail on the quality control test for toothpaste. Define humectants with examples. (12+3=15)
6. Write notes on any three (3): (3×5=15)
  - (a) Emollient.
  - (b) Eye irritancy test
  - (c) Classification of perfume
7. Define surface active agents. Classify surfactant with examples. Classify surfactant based on their HLB value and write their applications. (1+5+9=15)