

Total No. of Questions - 13] [Total No. of Printed Pages - 2]

DEC-23-0102

BP-809 ET (Cosmetic Science)

B.Pharm-8th (PCI)

Time : 3 Hours

Max. Marks : 75

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

**Note:** Section A is compulsory consisting of TEN questions carrying 2 marks each. Section B contains nine questions carrying 5 marks each. Section C contains Three questions carrying 10 marks each. Candidates are required to attempt Seven questions from Section B and Two Questions from Section C.

**SECTION-A**

(10×2=20)

**Short Answer (Compulsory)**

1. (a) Define cosmeceuticals.
- (b) Name two Non-ionic surfactants.
- (c) What are emollients?
- (d) What do you understand by the term comedogenic?
- (e) How are anti-perspirants different from deodorants?
- (f) Name two ingredients which are responsible for teeth whitening.
- (g) What is the role of rheology modifiers in cosmetics?
- (h) How is face wash different from bath soap?
- (i) What is SPF?
- (j) Name two anti dandruff agents.

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**SECTION-B**

(7×5=35)

**Short Note Answer (Any Seven)**

2. How cosmeceuticals evolved from cosmetics.
3. Write a short note on dermatitis.
4. Write a note on stages of hair growth cycle?
5. What is gingivitis? What are the factors responsible for causing gingivitis?
6. Discuss formulation and method of preparation of moisturizing creams.
7. Write a short note on hair conditioners.
8. What are basic formulation ingredients of Para-phenylene diamine based hair dyes?
9. How is TEWL determined?
10. What is the role of Aloe and turmeric in skin care cosmetics?

**SECTION-C**

(2×10=20)

**Long Answer (Any Two)**

11. What are different mechanisms by which antiperspirants work?
12. What is body odor? How does deodorants mask body odor?
13. Draw and neatly label various parts of epidermis.