

4. Write a note on (anyone): (a) Aloe in skincare or (b) Neem in oral care. 5
5. What is dandruff? With a diagrammatic flowchart, explain the process of dandruff formation in the scalp. 1+4=5
6. What is acne? Briefly discuss about its pathogenesis and therapeutic approach. 1+4=5
7. Explain Sebumeter with a neat-labelled diagram. 5
8. Discuss in detail various advantages and disadvantages of cold cream. 5
9. Give note on measurement of trans-epidermal water loss in cosmetics. 5

B Pharm Even Semester Examination, September, 2023

PHARMACEUTICAL SCIENCES

(8th Semester)

Course No: BP-809ET
(Cosmetic Science- Theory)

FM: 75
Time: 3 Hours

The figures in the right margin indicate full marks for the question

- I. A. Multiple Choice questions 1x10=10**
1. Apocrine gland secretes sweat by a process called _____.
(a) pinocytosis (b) osmosis
(c) pinocytosis (d) diffusion
 2. Curcumin is the main active constituent of the plant _____.
(a) *Aloe vera* (b) Turmeric
(c) Henna (d) Clove
 3. According to IS 6356:2021, Fluoridated toothpastes are _____ toothpastes.
(a) Type 2 (b) Type 1
(c) Type 4 (d) Type 3

4. The Indian Standard Specifications for skin creams are given in _____.
- (a) IS 7884:2004 (b) IS 7669:1990
(c) IS 4707:2000 (d) IS 6608:2004
5. The core of the human hair structure is called _____.
- (a) cuticle (b) medulla
(c) cortex (d) corneum
6. Commonly used humectant in moisturizers which is also considered as a gold standard is _____
- (a) glycerin (b) glycolic acid
(c) urea (d) sorbitol
7. Spreadability of cold cream increased by the addition of _____.
- (a) Isopropyl myristate (b) Vegetable oil
(c) ozokerite (d) Hard paraffin
8. Triclosan is _____ agent used in toothpaste.
- (a) Surfactant (b) Foaming agent
(c) Cleaning (d) Antibacterial
9. Fatty acid which gives soap with lower melting point is _____.
- (a) Saturated fatty acid
(b) Unsaturated fatty acid
(c) Animal fat
(d) Mineral oil

10. The hydration level of skin is determined by _____.

- (a) Hydrometer (b) Sebumeter
(c) Corneometer (d) Rotometer

I. B. Objective type (2x5=10)

1. What are cosmeceuticals?
2. What is miliaria?
3. Name any two preservatives used in cosmetic preparations.
4. Define antidandruff shampoos. Give one example.
5. Give examples for teeth whitening products.

II. Long answers (Answer two out of three questions) (10x2=20)

1. What is Sun Protection Factor? Provide a classification of UV radiation and discuss about their harmful effects on human skin. 2+8=10
2. With the help of a neat and proper diagram, explain the basic structure of human skin. 10
3. Explain the principles of formulation and building blocks of oral care products. 10

III. Short answers (Answer seven out of nine questions) (5x7=35)

1. Discuss about common oral and dental care problems. 5
2. What are the ideal properties of shampoos as suggested in the BIS standard? 5
3. Discuss about the human hair growth cycle. 5

Turn Over