5. Write a note on hair oils. (5)
6. Write a note on evaluation of soap bars. (5)
7. Explain Sebumeter with a neat-labelled diagram. (5)
8. Define cosmeceuticals. How do body deodorants and antiperspirants work? (1+4=5)
9. Classify UV lights according to its wavelength. Write a brief note of SPF number. (2+3=5)

★★★

UG (CBCS) EVEN SEMESTER EXAM, JULY 2024

PHARMACEUTICAL SCIENCES

(8th Semester)

Course No: BP - 809 ET

(Cosmetic Science - Theory)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

I.A. Multiple Choice Questions 1x10=10

1. Patch test is most useful for the determination of
   (a) Effect of cosmetic preparation
   (b) Contact dermatitis
   (c) Colour match test
   (d) Spreadability of skin cream
2. The following is not preservative
   (a) Methyl paraben
   (b) Benzalkonium chloride
   (c) Phenol
   d) Magnesium stearate
3. Glyceryl monostearate is
   (a) Anionic emulsifier
   (b) Cationic emulsifier
   (c) Nonionic emulsifier
   (d) Amphiphilic emulsifier

4. Identify the thickening agent used in shampoo
   (a) Glycerin and lactic acid
   (b) Sodium chloride and carboxymethyl cellulose
   (c) Bentonite and bees wax
   (d) Mineral oil and olive oil
5. This epidermal layer of the skin is responsible for lipid and protein synthesis.
   (a) Stratum corneum
   (b) Stratum granulosum
   (c) Stratum spinosum
   (d) Stratum basale
6. The gold standard humectant for skin cosmetics is _____
   (a) lactic acid (b) glycerin
   (c) sorbitol (d) hyaluronic acid
7. Lawsone is an important phytochemical constituent of the herbal cosmetic _____
   (a) turmeric (b) neem
   (c) aloe (d) henna
8. The Standard IS 6356:2021 provide an Indian standard for _____
   (a) toothpaste (b) shampoo
   (c) skin cream (d) soap
9. New hairs are produced during _____ phase.
   (a) anagen (b) catagen
   (c) telogen (d) alopecia
10. Miliaria is another medical term for ____
   (a) alopecia (b) acne
   (c) wrinkles (d) prickly heat

I. B. Objective type questions 2x5=10

1. Define tensile strength of a hair.
2. Give examples for teeth whitening products
3. List out typical properties of face wash.
4. Name any two phytochemical constituents of neem tree extract.
5. Name the two sweat glands. Which one is responsible for body odors?

II. Long answer type questions (Answer any two) 10x2=20

1. Explain the structure of skin with a neat diagram. (8+2=10)
2. Explain in brief about hair care products. Give detailed account on shampoo with excipients. (2+8=10)
3. Briefly explain cosmetic treatment of wrinkles. Discuss the mechanisms of skin moisturization. (2+8=10)

III. Short answer type questions (Answer any seven) 5x7=35

1. With a proper flow chart, explain the development of dandruff. (5)
2. Discuss the common problems associated with oral cavity. (5)
3. Discuss the skincare applications of aloe. (5)
4. Describe the chemistry and formulation of para-phenylene diamine-based hair dye. (5)