PAPER ID-310733

Roll No: ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜

BPHARM
(SEM VIII) THEORY EXAMINATION 2023-24
COSMETIC SCIENCE

TIME: 3 HRS   **M.MARKS: 75**

Note: **1.** Attempt all Sections. If you require any missing data; then choose suitably.

SECTION A

1.   **Attempt *all* questions in brief.**   **10 x 2 = 20**

a.	Define cosmetics.
b.	Draw the hair growth cycle.
c.	State the mechanism of action of antiperspirants.
d.	Name the building blocks of mouthwash.
e.	Classify sunscreens and SPF.
f.	Mention the role of clove in oral care.
g.	State the working principles of a sebumeter.
h.	Mention the methods of measurement of transepidermal water loss (TEWL).
i.	Mention the causes of dry skin.
j.	Name the cosmetic problems associated with hair and scalp and state their causes.

SECTION B

2.   **Attempt any *two* parts of the following:**   **2 x 10 = 20**

a.	Classy the cosmetic excipients with suitable examples and applications of each class.
b.	Describe the chemistry, formulation, and applications of para-phenylenediamine-based hair dyes.
c.	Explain the formulation approaches, skin benefits and limitations of soaps and syndet bars.

SECTION C

3.   **Attempt any *five* parts of the following:**   **7 x 5 = 35**

a.	Write how the cosmeceuticals have developed from cosmetics.
b.	Classify preservatives used as cosmetic excipients and explain their specific applications.
c.	Explain the chemistry and formulation approaches of para phenylenediamine-based hair dye.
d.	Classify sunscreens and SPF and explain their requirements and applications.
e.	Describe the parameters used for the evaluation of skin color and tensile strength.
f.	State and explain the problems associated with oily skin and the measures to be taken to solve them.
g.	Explain the causes and solutions for comedogenic and dermatitis issues of the skin.