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

1. What are spurious cosmetics? Discuss the common problems associated with oral cavity. (3+7=10)
2. How will you address body wrinkles and dry skin through cosmeceutical approach? (5+5=10)
3. With a neat diagram, explain the structure of skin. Briefly discuss the phytochemical constituents of clove. (8+2=10)

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

1. Write a note of addressing skin pigmentation. (5)
2. Discuss about eccrine and apocrine sweat glands and their secretions. (5)
3. What are surfactants? How will you classify them? Discuss. (5)
4. With a neat diagram, discuss the hair growth cycle. (5)
5. Write a note on antimicrobial preservatives used in cosmeceuticals. (5)
6. With a proper flowchart, discuss the development of dandruff. (5)
7. What are the objectives of COSMOS standards? Provide the criteria for achieving COSMOS Organic Certification. (2+3=5)
8. Name any two phytochemical constituents of neem extract and briefly discuss the dental applications of neem tree. (2+3=5)
9. What are the challenges in formulating herbal cosmetics? Discuss (5)

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PG (CBCS) EVEN SEMESTER EXAMINATION, 2024

PHARMACEUTICAL SCIENCES

(M.Pharm. 2nd Semester)

Course No: MPH 204T

(Cosmetics and Cosmeceuticals)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

I. Objective type (Answer the following in brief) 2x10=20

1. Define cosmeceuticals.
2. What are misbranded cosmetics according to D&C Act 1940?
3. What are Forms COS-5 and COS-6 according to the Cosmetics Rule 2020?
4. Mention the different layers of hair structure. Which layer contain melanin?
5. What is halitosis?
6. Name any two phytochemical constituents of aloe.
7. Who are the founding members that develop COSMOS standards? Name them.
8. What are syndet bars?
9. What are UVA, UVB and UVC? Which UV type has similar intensity throughout the day?
10. What is the suitable hardness in Moh scale for abrasives used in toothpaste? What is the role of thickeners in toothpastes?

(Turn Over)