

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: MPharm
BRANCH: PHARMACY

SEMESTER: 2nd
SESSION: SP2022

SUBJECT: MPH204T COSMETICS & COSMECEUTICALS

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably. Answer any 5 questions
2. Before attempting the question paper, be sure that you have got the correct question paper.
3. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

- 1a. Write one word answer for the following: [7X1=7]
- i. Mention the most common dosage form for skin moisturizers.
 - ii. Which method can be used to evaluate the water content of the skin?
 - iii. Ceramides are the most important structural elements of the intercellular lipid->State true or False
 - iv. Wrinkles mainly occur due to progressive collagen loss—State true or false
 - v. Write the causative microorganism for Dandruff.
 - vi. Sweat becomes odorous when it is decomposed by bacteria on the skin---State fact or Fiction
 - vii. Discuss the Fitzpatrick's skin classification system
- 1b. **A. Write short answers to the following:** [4X1=4]
- i. Melanocytes are present in _____ layer of skin
 - ii. Decrease in TEWL leads to increased skin hydration->State True or False
 - iii. Probable cause for dental caries is Low pH in the mouth-->State True or False
 - iv. Which type of radiation is responsible for the synthesis of VITAMIN D in our skin?
- B. Define SPF. Calculate the SPF when a dose of 4 MED with sunscreen and 2MED without sunscreen are given on a skin.** [2+2=4]
- 2a. Differentiate between Deodorants Vs Antiperspirants. Discuss the generalized ingredients used in both Deodorants and Antiperspirants [3+4=7]
- 2b. Discuss the novel ingredients for body odour. Discuss the common dosage forms for Deodorants and Antiperspirants. [3+5=8]
- 3a. Discuss the different types of Miliaria. [7]
- 3b. Discuss the pathophysiology of Acne. [8]
- 4a. Write a descriptive note on Cationic surfactants used for Cosmetics [7]
- 4b. Discuss the Emollients, Humectants, Occlusives and Skin Rejuvenators with proper examples for each category. [4X2=8]
- 5a. Discuss Indian regulatory requirements for labelling of cosmetics? [7]
- 5b. Elaborate the regulatory provisions for import of cosmetics? [8]
- 6a. Write in short about : [2+3+3=7]
- i. Loan license
 - ii. Misbranded Cosmetics
 - iii. Spurious Cosmetics
- 6b. Discuss Prohibition of manufacturing (referring schedule Q), offences and penalties for sale/loan license of certain cosmetics [8]
- 7a. Draw and elaborate structure of skin. Explain acne and dry skin condition and elaborate cleansing and care need for these conditions. [7]
- 7b. Draw structure of hair and hair growth cycle. Explain problem associated with scalp and hair with framing treatment strategies for them [8]