

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

CLASS: M. PHARM  
BRANCH: PHARMACY

SEMESTER: II  
SESSION: SP25

SUBJECT: MPG204T HERBAL COSMETICS

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
  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.
  5. Answer any five questions.
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- 1a. Define herbal cosmetics. What are the major classifications of herbal cosmetics based on their application? [7]
  - 1b. What are the common challenges in formulating herbal cosmetics, and how can they be addressed? [8]
  
  - 2a. Write a note on herbs used in skin care products. [7]
  - 2b. Write down the method of preparation and evaluation parameters of any herbal cosmetics formulation. [8]
  
  - 3a. What are the factors that influence the effectiveness of preservatives in formulations? [7]
  - 3b. What do you understand by Preformulation study? Explain with suitable example. [8]
  
  - 4a. Draw a neat diagram of skin anatomy and enlist the various layers of skin. [7]
  - 4b. Write short notes on raw material used in hair care products. [8]
  
  5. Describe in brief about economic aspect and Export-Import of herbal cosmetics. [15]
  
  6. Give a general introduction and benefits of following with suitable examples [15]  
i) Preservatives                      ii) Mouth wash                      iii) natural colorants
  
  7. Write short notes on [15]  
i) Antiwrinkle gel                      ii) Lip balm                      iii) Herbal shampoo

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