

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

**CLASS: M.PAHRM  
BRANCH: PHARMACY**

**SEMESTER: II  
SESSION: MO-22**

**SUBJECT: MPG 204T 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.
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1. a) Explain the term herbal cosmetics. Write down the name of industries manufacturing herbal cosmetics with suitable examples. [7]
- 1 b) Explain in brief about economic aspects of herbal cosmetics. [8]
2. a) Discuss the various raw materials used for the preparation of Herbal Cosmetics. Write down the name, biological source and uses. [7]
2. b) Write in brief about Regulatory requirements in Herbal cosmetics. [8]
3. a) Write down the guidelines for assessment safety of herbal medicines with reference to contaminants and residues. [7]
3. b) Explain the following terms [8]
  - i) Natural colourants
  - ii) Conditioners
  - iii) Surfactants
  - iv) Preservatives
4. a) Describe the word Preformulation study. Discuss its importance in Herbal Cosmetics. [7]
4. b) Explain the analytical methods for drug excipients incompatibility. [8]
5. a) Write short note on Herbal excipients.
5. b) How will you establish a Herbal cosmetics unit ? What are the important steps to be followed for starting a herbal cosmetics manufacturing unit. [8]
6. a) Elaborate the components of GMP. [7]
6. b) Discuss in brief about the stability studies of herbal drugs. [8]
7. a) Write in brief about schedule T. [7]
- b) Explain with suitable fundamental concepts on examples of drug and chemicals interaction. [8]