

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

**CLASS: M. PHARM
BRANCH: PHARMACY**

**SEMESTER: II
SESSION: SP/24**

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. Discuss about economic aspect of Herbal cosmetics. | CO-1 | [8] |
| 1b. | Describe in detail about the raw materials used for the preparation of hair care products. | CO-1 | [7] |
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| 2a. | Write down the application of Herbal excipients. Give the suitable examples of natural excipients for the formulation of herbal product. | CO-2 | [7] |
| 2b. | Explain the analytical methods for drug excipients incompatibility. | CO-2 | [8] |
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| 3a. | Write down the name of ten marketed herbal cosmetic product. Write down the basic labelling requirements, offence, and penalties regulations for herbal products. | CO-1 | [8] |
| 3b. | Write in brief about regulatory provisions in relation to manufacture of cosmetics. | CO-1 | [7] |
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| 4a. | Describe the mechanism of drug interaction. | CO-2 | [7] |
| 4b. | Explain the Preformulation studies for any herbal cosmetics product. | CO-2 | [8] |
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| 5a. | Explain the word evaluation of drugs with reference to herbal cosmetics? Discuss in brief using any one parameter. | CO-5 | [8] |
| 5b. | Elaborate the components of good manufacturing practices. | CO-1 | [7] |
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| 6a. | Write down the method preparation and evaluation of any two herbal cosmetics. | CO-5 | [7] |
| 6b. | Write in brief about stability testing of drug? | CO-5 | [8] |
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| 7 | Write short notes on: | | [7] |
| | i) Physiology of skin | CO-3 | |
| | ii) Herbal cream | CO-4 | |
| | iii) Herbal skin care products | CO-4 | |

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