

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

**CLASS: MPHARMACY
BRANCH: PHARMACY**

**SEMESTER: I
SESSION: MO 24**

SUBJECT: MPG104T INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY

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. Describe the basic requirements for manufacturing unit. | [7] |
| 1b. Explain in brief about current challenges in upgradation of herbal formulation. | [8] |
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| 2a. Write short notes on Total quality management and GMP. | [7] |
| 2b. Explain in detail about general parameters of monograph of herbal drugs. | [8] |
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| 3a. Write down the format of monograph of any pharmacopeia. | [7] |
| 3b. Discuss the various parameters used for stability testing of herbal products. | [8] |
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| 4a. Write short notes on Patent and Copyright. | [7] |
| 4b. What is the Pilot Plant Scale-Up Technique? Explain its significance and process. | [8] |
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| 5a. How will you formulate herbal cream? Gives its various parameters evaluation. | [7] |
| 5b. Write in brief about Good Manufacturing Practices. | [8] |
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| 6a. Write down the procedure for filling Patent. | [7] |
| 6b. Explain the importance of quality control and quality assurance unit. | [8] |
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| 7. Write short notes on | [15] |
| i) Project Selection | |
| ii) Project Report | |
| iii) GLP | |

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