

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

CLASS: M.PHARMA
BRANCH: PHARMACY

SEMESTER : I
SESSION : MO/19

SUBJECT: MPG104T INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY

TIME:3:00 HOURS

FULL MARKS: 75

INSTRUCTIONS:

1. The question paper contains 7 questions each of 15 marks and total 105 marks.
 2. Candidates may attempt any 5 questions maximum of 75 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Explain the basic infrastructure requirements of herbal industry. [7]
Q.1(b) How would you modernize herbal formulations? What are challenges will you face in upgrading it? [8]
- Q.2(a) Write short notes Entrepreneurship development. [7]
Q.2(b) Recall the concept of total quality management in herbal industry. [8]
- Q.3(a) Explain the word GMP and GLP. Give its importance in herbal industry. [7]
Q.3(b) Outline the various parameters of monographs for Ayurvedic and Unani pharmacopeia. [8]
- Q.4(a) Describe the WHO guidelines in quality assurance of herbal drugs. [7]
Q.4(b) Write short notes on EXIM and TRIPS. [8]
- Q.5(a) How would you determine the stability of herbal formulation? [7]
Q.5(b) How will you evaluate the raw material using microscopy and physical parameters? [8]
- Q.6(a) Write short notes on following i) Copyright ii) Novelty [7]
Q.6(b) Explain the word Indian and International laws of patent in herbal industry. [8]
- Q.7(a) Describe the project profile for processing of 500kg herb per day. [7]
Q.7(b) Write down the method of preparation and evaluation parameters for 2% piperine herbal cream. [8]

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