

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

CLASS: M. PHARM
BRANCH: PHARMACY

SEMESTER : I
SESSION : MO/2022

SUBJECT: MPG104T INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY

TIME: 3:00 Hours

FULL MARKS: 75

INSTRUCTIONS:

1. Answer any five out of the seven questions
 2. The missing data, if any, may be assumed suitably
 3. Before attempting the question paper, be sure that you have got the correct question paper. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Write in brief about current challenges in upgradation of herbal formulations. [7]
Q.1(b) Write short on requirement for manufacturing unit and project selection. [8]
- Q.2(a) Explain in detail about general parameters of monograph of herbal drugs. [7]
Q.2(b) Write down the format of monograph in various herbal pharmacopeia. [8]
- Q.3 Write short note on. [3]
i) Export-Import (EXIM) policy [4]
ii) TRIPS [4]
iii) GM [4]
iv) ISO-9000
- Q.4(a) Write short note on Good laboratory practices. [7]
Q.4(b) Write short note on Total quality control management. [8]
- Q.5(a) Explain the procedure for filling the patent. [7]
Q.5(b) Write an account on stability testing of natural products. [8]
- Q.6(a) Explain in detail about Indian and International patent law [7]
Q.6(b) Write in detail about quality assurance in herbal products [8]
- Q.7 Write short notes on [5]
i) Copyright & Utility [4]
ii) Novelty [3]
iii) Non obviousness [3]
iv) Patent search [3]

::::24/11/2022::::E