

Your Roll No.

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School of Pharmaceutical Education and Research
M. Pharm. I Semester Examination (2024)

Subject: **Industrial Pharmacognostical Technology**
 Paper Code: **MPG 104T** Date: **15-03-24**

Maximum Marks: **75**
 Time: **Three hours**

(Write your Roll No. on the top immediately on receipt of this question paper)

Note: This paper has two Sections; A and B.
 Attempt all the two sections.
Section A: Answer all the questions.
Section B: Answer any 4 out of 6 questions

Abbreviations Used:
 CO-Course Outcome, PO- Program Outcome, BTL- Bloom Taxonomy Level: BT level 1-Remember; BT level 2-Understand; BT level 3- Apply; BT level 4- Analyze; BT level 5- Evaluate; BT level 6- Create.

SECTION-A

Answer the following in brief (Attempt all questions)

5x3= 15 Marks

Q. No 1	Question	BTL	CO	PO
(a)	What are patentable subject matters?	2	5	4,5
(b)	Write the objectives of GLP	1	2	3
(c)	Define and classify ash values	2	3	5
(d)	Define herbal medicines and Phytotherapy	2	4	2
(e)	Define Capital venture.	2	5	1

SECTION B

Long type Questions (Attempt any 4 out of 6)

4x15= 60 Marks

	Question	BTL	CO	PO
Q. No 2	What are the infrastructure requirements of herbal drug industry involved in production of standardized extracts and various dosage forms?	1	1	4,5
Q. No 3	Write details of Indian and international patent laws as applicable to herbal drugs and natural products.	1	2	4,5
Q. No 4	What are the general parameters of monographs of herbal drugs? Give a comparative account of different pharmacopoeias studied by you.	3	3	4,6
Q. No 5	Explain different methods used for clinical laboratory testing and stability testing of botanicals?	3	4	3
Q. No 6	Write explanatory notes on extractive values, pesticides OR insecticides residues and foreign organic matter determination methods.	1	3	3,7
Q. No 7	Describe the procedure of Indian patent filing, patent processing and grant of patents.	3	5	6,8