

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE**

**End Semester Examination – Summer23**

**Date: 19/07/2023**

<b>Course:</b>	<b>B. Pharmacy</b>	<b>Sem:IV</b>	
<b>Subject Name:</b>	<b>Pharmacognosy &amp; Phytochemistry I</b>	<b>Subject Code:</b>	<b>BP 405T</b>
<b>Max Marks:</b>	<b>75</b>	<b>Duration:</b>	<b>3 Hr.</b>

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**Instructions:**

- 1. All questions are compulsory**
  - 2. Draw diagrams / figures wherever necessary**
  - 3. Figures to right indicate full marks**
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**Q. 1. Objective Type Questions (Answer all the questions) (10 x 2) = 20**

- Define Pharmacognosy and give an example of organized and unorganized crude drug.
- Define mutation and enlist types of mutation.
- Give the biological source and uses of Castor oil.
- Define Teratogen and give an example of Teratogen.
- Enlist Crude drug evaluation methods (Any four).
- What are glycosides? Give an example of a drug containing glycosides.
- What is the function of Auxin in the development of plants?
- Give any two examples of crude drugs derived from animal origin.
- What are primary metabolites? Give any two examples of it.
- Write contribution of following scientists to Pharmacognosy.  
a) Charak      b) Seydler

**Q. 2. Long Answers (Answer 2 out of 3) (2 x 10) = 20**

- Define Adulteration and explain various types of adulteration of crude drugs with suitable examples.
- Illustrate theory, basic concept, diagnosis, treatment and dosage forms used in Ayurvedic system of medicine.
- What are plant hormones? Explain various plant hormones along with their functions and examples.

**Q. 3. Short Answers (Answer 7 out of 9) (7 x 5) = 35**

- Discuss in detail about extrinsic and intrinsic factors affecting the cultivation of medicinal and aromatic plants. ( give details of any 4 factors)
- Give the biological source, method of preparation, and uses of following drugs.

a) Gelatin      b) Papain

- iii) Define plant tissue culture and explain any four types of plant tissue cultures.
- iv) Write a note on Edible vaccines.
- v) Explain historical development of Pharmacognosy.
- vi) Define and classify Alkaloids. Give the properties, identification test for the same.
- vii) Give the pharmacognostic account of Chaulmoogra oil.
- viii) Define Hallucinogens and natural allergens. Classify the natural allergens along with suitable examples.
- ix) What is the need for classification of crude drugs? Explain morphological classification of crude drugs, its advantages and limitations.

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