Year and Program 2024, B. Pharmacy	School of Pharmaceutical Sciences	Department : Pharmacy
Course Code : BP405T	Course Title : Pharmacognosy and Phytochemistry-I	Semester – IV
Date: 30 MAY 2024 Day : Thu Time: 02:00PM To 05:00PM	Examination: End Semester	Max Marks: 75

Instructions: 1) All questions are compulsory.
2) Draw a neat labeled diagram if necessary.

		Marks	Bloom's Level	CO
Q.1	**Objective Type Questions (10X2)**	**20**		
a)	Define Pharmacognosy. Summarize the history of Pharmacognosy	02	Remember	CLO1
b)	Write any four examples of drugs obtained from marine sources.	02	Remember	CLO1
c)	Enlist the factors influencing the cultivation of medicinal plants.	02	Remember	CLO2
d)	What is asexual method of plant propagation? Give its advantages.	02	Remember, Understand	CLO2
e)	Define term: 1) Organogenesis 2) Totipotency	02	Remember,	CLO3
f)	What is callus culture? Give the significance of callus culture?	02	Remember, Understand	CLO3
g)	Discuss physical properties of alkaloids.	02	Remember Understand	CLO4
h)	What are tannins? Write classification of tannins with suitable examples.	02	Remember, Understand	CLO4
i)	Write biological source and uses of Honey.	02	Understand	CLO5
j)	Give any two plants having hallucinogenic effect along with their biological source.	02	Remember	CLO5
Q.2	**Long Answers (Answer 2 out of 3)**	**20**		
a)	What is the significance of evaluation of crude drug? Explain physical evaluation parameters in details.	10	Remember, Understand, Apply, Analyze	CLO1
b)	Explain the different methods used for processing and storage of crude drugs in detail.	10	Remember, Understand, Apply	CLO2

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c)	Write biological source, method of preparation and uses of serratiopeptidase and pepsin.	10	Remember, Understand	CLO5

Q3	Short Answers (Answer 7 out of 9)	35	Bloom's Level	CO
a)	Explain the scope and development of Pharmacognosy.	05	Remember, Understantd, Apply	CO1
b)	Discuss the chemical evaluation methods of crude drugs.	05	Remember, Understantd, Apply	CO1
c)	What are various factors affecting collection and harvesting of crude drugs? Discuss with suitable examples.	05	Remember, Understantd, Apply, Analyze	CO2
d)	Explain hybridization with reference to medicinal plants.	05	Remember, Understantd, Apply	CO3
e)	What is micropropagation? Discuss its applications.	05	Remember, Understantd, Apply	CO3
f)	Discuss the role of Pharmacognosy in Ayurvedic system of medicine with suitable examples.	05	Remember, Understantd, Apply	CO4
g)	What are glycosides? Write general properties and classification of glycosides with suitable examples.	05	Remember, Understantd, Apply	CO4
h)	Define and Classify resins with suitable examples. Add a not on its general properties.	05	Remember, Understantd, Apply	CO4
i)	Write biological source, chemical nature and uses of jute.	05	Remember, Understantd, Apply	CO5

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