

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI  
(Internal Assessment I)

CLASS: BPHARM  
BRANCH: PHARMACY

SEMESTER: IV  
SESSION: SP-2025

SUBJECT: BP405T PHARMACOGNOSY & PHYTOCHEMISTRY-I

TIME: 2.00 Hour

FULL MARK: 30

PART I			CO	BL
Answer all questions)		(5 x 2 = 10 marks)		
1.	Differentiate organised and unorganised drugs?		1	2
2.	Illustrate different types of stomata with examples?		2	3
3.	Define Vein islet and palisade ratio and illustrate with a neat diagram		2	6
4.	Write the significance of different ash values with examples?		3	2
5.	Illustrate the diagnostic characters of different parts of plant used as drugs		3	4
PART II			CO	BL
A. Long Answers (Answer any one out of two)		(01x10=10 marks)		
1.	Explain the factors which affect the cultivation and collection of drugs from natural origin?		3	2
2.	How different quantitative microscopic techniques used in the quality control of herbal drugs. Explain with examples?		3	4
PART III			CO	BL
B. Short Answers (Answer any two out of three)		(02x05=10 marks)		
1.	Justify the use of Lycopodium spore method in the quality control of herbal drugs. Explain the method with an example?		3	5
2.	Write the method of determination of swelling index and foam index and mention the significance of the same?		3	2
3.	Write in short advantages and disadvantages of different classification of drugs from natural origin?		2	4

.....03/03/2025.....E