M. PHARMACY FIRST YEAR SECOND SEMESTER - 2024

Subject: ADVANCED PHARMACOGNOSY II

Time: 3 hours

Full marks: 75

(Answer any 5 questions)

No.	Questions	Marks	Bloom's Taxonomy Levels	Course Outcome (CO1-3)
1.	a) **Explain** the term 'Reverse Pharmacology' and **Discuss** its key concepts.	2 + 4	L5, L6	CO2, CO3
	b) **What** are the key steps of 'Reverse Pharmacology'? **Explain** with an example.	4	L1, L5	
	c) **Discuss** the advantages and challenges of 'Reverse Pharmacology'.	5	L6	
2.	**Discuss** the impact of Ethnobotany in traditional medicine and **explain** with suitable examples.	15	L5, L6	CO2, CO3
3.	a) **What** are the impacts of bioprospecting in drug discovery?	3	L1	CO2, CO3
	b) **Discuss** different bioprospecting tools involved in nature-based drug discovery.	12	L6	

4.	**Discuss** (any two) from the following:
	  i. Herbal drug standardization
	  ii. Efficacy of herbal medicine
	  iii. Safety evaluation of herbal medicine
		7.5 x 2	L6	CO1

5.	**Discuss** the validation of herbal therapies with special emphasis on AYUSH recommendations. .	15	L6	CO1
6.	**Explain** the Pharmacokinetic and Pharmacodynamic issues in herbal drug remedies with specific examples.	15	L5	CO1
7.	a) **What** is the Pharmacological evaluation of crude drugs?	5	L1	CO1, CO2, CO3
	b) **How** will you evaluate a crude drug for anti-inflammatory activity?	10	L1	