

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MSc DEGREE EXAMINATION MAY 2025
(Fourth Semester)

Branch - BOTANY

HERBAL SCIENCE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	The word herb is derived from a) Herbarium b) Herba c) Herbaum d) Harba	K1	CO1
	2	The term Pharmacognosy was coined by a) Pelletier b) Sertuener c) Stars and Otto d) Seydle	K2	CO1
2	3	Ashwagandha is common name for a) <i>Wthania somniferum</i> b) <i>Holarrhena antidysentrica</i> c) <i>Bacopa moneira</i> d) <i>Centella asiatica</i>	K1	CO2
	4	Which of the following plants contains the compounds gedunin and nimbolid? a) <i>Curcuma longa</i> b) <i>Azadiracta indica</i> c) <i>Cinchona officinalis</i> d) <i>Ocimum sanctum</i>	K2	CO2
3	5	Main component of Lemon grass is a) Menthol b) Citrol c) Geraneoal d) None of these	K1	CO3
	6	Cloves are the _____ of a tree in Myrtaceae. a) Aromatic flower buds b) Aromatic Petiole c) Non aromatic flower buds d) Aromatic flower stalk	K2	CO3
4	7	Chemically, tannins are complex mixtures of _____ that are difficult to separate and crystallize. a) Polypeptides b) Polyphenols c) Steroids d) Fatty acid	K1	CO4
	8	Which of the following is not the class of secondary metabolite. a) Amino acids b) Terpenes c) Phenolics d) Alkaloids	K2	CO4
5	9	Solvent extraction is a _____ analytical technique. a) Separating b) Qualitative c) Quantitative d) Identification	K1	CO5
	10	Which of the following is an example of pseudo alkaloid? a) Ergot b) Caffeine c) Ephedrine d) Reserpine	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Outline the history of pharmacognosy.	K4	CO1
		(OR)		
	11.b.	Point out the positive impact of medicinal plants in India.		
2	12.a.	Explain about the Antiseptic properties of neem tree.	K4	CO2
		(OR)		
	12.b.	Summarize the distribution and drug evaluation of <i>Rauwolfia</i> plant.		
3	13.a.	Discuss about the rosemary plant with its medicinal properties.	K5	CO3
		(OR)		
	13.b.	Evaluate the importance of aromatic medicinal spices.		
4	14.a.	Assess the key stages of metabolomics study.	K5	CO4
		(OR)		
	14.b.	Criticize the plant defense mechanisms with flow chart.		
5	15.a.	Discuss about the Advantages and disadvantages of biopesticides.	K6	CO5
		(OR)		
	15.b.	Elaborate the applications of phytochemicals in phytopharmaceuticals industry.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Explain the essay on Indigenous system of medicine with detailed notes.	K4	CO1
2	17	Criticize the herbal drug extracted from Ashwagandha. Add its uses with reference to nervous system.	K4	CO2
3	18	Evaluate the systematic position and medicinal uses with reference to cloves.	K5	CO3
4	19	Determine the major secondary metabolites in plants. Add its influencing factors.	K5	CO4
5	20	Predict the essential role of Women entrepreneurship in developing India.	K6	CO5

Z-Z-Z

END