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GIET UNIVERSITY, GUNUPUR - 765022
M. Tech (Second Semester) Examinations, May - 2024
MPCBT2021- Medicinal Plants and Natural Products
(Biotechnology)

Time: 3Hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

PART – A**(2 x 10 = 20 Marks)**

Q.1. Answer all questions

	CO#	Blooms Level
a. What do you mean aromatic plants?	CO1	K1
b. Explain importance of plant diversity.	CO1	K3
c. What are threatened plants?	CO2	K2
d. Write role of National Medicinal Plant Board?	CO2	K2
e. Give example of four herbal medicinal plants?	CO3	K4
f. Define organogenesis.	CO3	K4
g. What is a germplasm?	CO3	K2
h. Define primary metabolites of plants with examples.	CO4	K3
i. What is the pharmacophore of a medicinal plant?	CO4	K2
j. What is chemical diversity of a plant?	CO4	K3

PART – B**(10 x 5=50 Marks)**Answer ANY FIVE questions

	Marks	CO#	Blooms Level
2. a. Describe any two aromatic plants with their chemical composition and uses.	5	CO1	K1
b. Explain the present status medicinal plant in India.	5	CO1	K2
3.a. Write in details on two methods of conservation of medicinal plant.	5	CO1	K3
b. How transgenic plants are developed?	5	CO1	K3
4. a. Write on objectives and functions of state medicinal plant boards.	5	CO2	K4
b. Give an account of demand and supply of medicinal plants in Odisha.	5	CO2	K2
5.a. Write steps of micro propagation medicinal plant.	5	CO2	K2
b. Describe tissue culture based production of secondary metabolites.	5	CO3	K3
6. a. Give an account of importance of medicinal plants in rural area.	5	CO3	K2
b. Write chemical composition and uses of <i>Adhatoda vasica</i> stem.	5	CO3	K4
7.a. Explain geographical distribution and medicinal uses of <i>Cinchona</i> .	5	CO4	K1
b. Write in details of two methods of purification of phytochemicals.	5	CO4	K2
8. a. Give an account of novel drug templates.	5	CO4	K3
b. What are the methods of new drug discovery?	5	CO4	K4

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