Sanjay Ghodawat University, Kolhapur

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

2020-21

EXM/P/09/00

Year and Program: 2020 /Second Year B.Sc	**School of Science**	**Department: Chemistry**
Course Code: BOS-201	**Course Title: Botany-III**	**Semester : III**
Day : Tuesday **Date: 16.02.2021**	**End Semester Examination**	**Time:2 Hrs.** **Max Marks:50**

Instructions: 1) All Questions are compulsory.
2) Draw neat labelled diagrams wherever necessary

		Marks	Bloom's Level	CO
Q.1	**Answer the following (any Two)**–			
a)	With the help of labeled diagrams, explain the rootapical meristem theory.	8	L2	CO1
b)	Describe structure of a monocot stem. Also, describe the significance of cambium in plants.	8	L2	CO1
c)	Write down the general characteristics of Hydrophytes with the help of appropriate examples.	8	L1	CO2
Q.2	**Answer the following (any two) –**			
a)	Define Fertilization. Describe the structure of ovary in a mature flower.	8	L1	CO2
b)	Describe with the help of a diagram the ultrastructure of a pollen grain.	8	L3	CO2
c)	Explain the various mechanisms of seed dispersal in plants.	8	L3	C03
Q.3	**Answer the following (any two) –**			
a)	What is Double fertilization? What is the significance of double fertilization?	9	L2	CO3
b)	Compare the development of spring wood and autumn wood.	9	L3	CO4
c)	DefineApomyxis. Explain the types of polyembryony found in plants.	9	L4	CO4

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