Sanjay Ghodawat University, Kolhapur

2020-21

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

EXM/P/09/00

Year and Program: 2020, CSE	**School of Technology**	**Department: CSE**
Course Code: CST 4132	**Course Title: Program Vertical –III (Soft Computing)**	**Semester : VII**
Day : Tuesday **Date: 02.03.2021**	**Re-End Semester Examination**	**Time:2 Hrs.** **Max Marks:50**

Instructions: 1) All Questions are compulsory.

		Marks	Bloom's Level	CO
Q.1	**Answer the following (any Two)**			
a)	Elaborate on applications of soft computing.	8	2	CO2
b)	Discuss concept of dominance in multi-objective optimization.	8	2	CO3
c)	Illustrate on steps in implementing basic genetic algorithms.	8	3	CO1
Q.2	**Answer the following (any two)**			
a)	Illustrate on crossover strategies used in genetic algorithms.	8	3	CO1
b)	Discuss priori and posteriori approaches for MOEA.	8	2	CO3
c)	Discuss with neat diagram functioning of Fuzzy logic controller.	8	3	CO2
Q.3	**Answer the following (any two)**			
a)	With example neural network explain working of backpropagation using gradient decent.	9	2	CO4
b)	Elaborate on vector evaluated genetic algorithms.	9	4	CO2
c)	Elaborate on recurrent neural networks.	9	2	CO4

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