

M.C.A.(Sem-II)

April-2023

Time:3 Hours

Total Marks: 80

N.B.

1) Question Number Q.1 is compulsory.

2) Attempt any three questions between Q.2 to Q.6.

Q.1	A	Write a short note of the following: Note Attempt Any four	20 M
		1 Artificial Intelligence	
		2 Expert System	
		3 Ann Architecture	
		4 Big Data Analytics	
		5 Clustering	
Q.2	A	Explain the architecture of intelligent agents?	10 M
	B	Explain Heuristic Search Techniques	10 M
Q.3	A	Define Adaptive System and Generalization.	10 M
	B	Explain Random Forest	10 M
Q.4	A	Difference between supervised and unsupervised Learning	10 M
	B	Explain K-means Clustering algorithm	10 M
Q.5	A	Explain Bayesian belief network	10 M
	B	What is the primary motivation for using the kernel trick in machine learning algorithms?	10 M
Q.6	A	Explain Gaussian Mixture models	10 M
	B	Explain Boosting	10 M
