

GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

KRS Road, Metagalli, Mysuru., 570016

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt of Karnataka) (Accredited with Grade 'A' by NAAC)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

 $(Accredited\ by\ NBA,\ New\ Delhi,\ Validity:\ 01.07.2017-30.06.2020\ \&\ 01.07.2020-30.06.2023)$

SECOND ONLINE INTERNAL ASSESSMENT TEST, EVEN SEM, 2020-2021

SEMESTER: 8th 'A' TIME: 10:30 a.m. - 11:40 a.m

SUBJECT NAME: **Big data Analytics [17CS82]**FACULTY NAME: RAJASHEKAR M.B

DATE: 29/06/2021

TOTAL MARKS: **30 Marks**

Instructions to the students: Answer any one question from each part.

Course Outcome:

CO3: Recognize the role of Business Intelligence, Data warehousing and Visualization in decision

making

CO4: Infer the importance of core data mining techniques for data analytics

Q. No							Marks	СО	Blooms Taxonomy
				I	PART A				
4()	Explain CRISP-D	M Cycle v	vith a neat di				5M	CO3	Understand
1 (a)	Explain Crast B	ivi Cycle v							
(b)	Explain the star schema design of Data Warehousing with an example							CO3	Understand
					OR				
2(a)	Differentiate the following							CO3	Analyze
	i) Data Mining and Data Warehousing								
	ii) Supervised learning and Unsupervised Learning								
(b)	Describe Business Intelligence Tools with example.						5M	CO3	Understand
	•			P	ART B		<u> </u>		
2 (c)	Define Splitting Variable. Describe three criteria for choosing a Splitting						5M	CO4	Understand
3 (a)	variable?								
	List some of the advantages and Disadvantages of Regression Model								
(b)	List some of the a	dvantages	and Disadva	ntages of	Regression	Model	5M	CO4	Remember
					OR				
	T						103.6	GO.4	
4	Construct the decision tree for the following data set						10M	CO4	Apply
	Outlook	Temp.	Humidity	Wind	Play				
	Sunny	Hot	High	False	No				
	Sunny	Hot Hot	High High	True False	No Yes				
	Overcast Rain	Mild	High	False	Yes				
	Rain	Cool	Normal	False	Yes				
	Rain	Cool	Normal	True	No				
	Overcast	Cool	Normal	True	Yes				
	Sunny	Mild	High	False	No				
	Sunny	Cool	Normal	False	Yes				
	Rain	Mild	Normal	False	Yes				
	Sunny	Mild	Normal	True	Yes				
	Overcast	Mild	High	True	Yes				
	Overcast	Hot	Normal	False	Yes				
	Rain Mild High True No Then solve the following problem using the model								
	Then solve the following problem using the model								
	Outlook	Гетр	Humid	ity	Windy	Play			
	Sunny 1	Hot	Normal	Normal		???			

PART C										
5(a)	Describe advantages & disadvantages of K-Means algorithm	5M	CO4	Understand						
(b)	Explain Elbow method for determining number of clusters in a data set with neat diagram.	5M	CO4	Understand						
OR										
6(a)	Briefly explain the data mining mistakes	5M	CO3	Analyze						
(b)	With diagram explain the model for Multilayer ANN	5M	CO4	Analyze						

RAJASHEKAR M.B Faculty signature

Review committee

HOD/CSE

Dr. Raviraj P Professor, Dept of CSE Chaya P Asst. professor, Dept of ISE