GUJARAT TECHNOLOGICAL UNIVERSITY MCA Integrated - SEMESTER-VIII • EXAMINATION – SUMMER - 2017

Subject Code: 4480602 Date: 01/05 Subject Name: Data Analytics with R			/ 2017	
Tiı	Time:10.30 am to 01.00 pm Total Marks: Instructions:			
	1. 2.			
Q.1	(a)	What is data analytics? Explain the general categories of data analytics that are distinguished by the results they produce.	07	
	(b)	Explain the following (i) packages (ii) Accessing built in datasets	07	
Q.2	(a)	Explain data type in detail with example.	07	
	(b)	Explain classification of data in detail.	07	
	(b)	OR What is data frame? Explain the functionally of data frame with example.	07	
Q.3	(a)	i. What is variable? How to assign a value to a variable and removing	04	
X ¹⁰	(4)	variable in R?	•••	
	(-)	ii. Explain list operation in brief.	03	
	(b)	What is Object? How to convert one object form to another object form? OR	07	
Q.3	(a)	Explain control statements with example.	07	
C	(b)	Explain the following (i) Vector (ii) Matrix	07	
Q.4	(a)	What is Graph? Explain graphical elements in detail.	07	
	(b)	Explain decision tree with example.	07	
0.4	(a)	OR What is prediction? Differentiate random forest and decision tree. Which	07	
Q.4	(a)	decision model is best for decision making?	07	
	(b)	What is binomial distribution? Explain functions used to execute binomial distribution with example.	07	
Q.5	(a)	Explain linear models with example.	07	
	(b)	Explain the following with arguments (i) Histogram (ii) pie (iii) boxplot	07	
Q.5	(a)	OR How to read data from excel and database? Explain in detail	07	
Q.9	(a) (b)	What is Prescriptive Analytics? How to Creating data for analytics through designed experiments?	07	
