Cod	e No: 126UA JAWAHARLAL NEHRU TECHNOLOGICAL UNIVER B. Tech III Year II Semester Examinations, A INTRODUCTION TO ANALYTICS (Common to CSE, IT)	<b>R15</b> RSITY HYDERABAD pril - 2018 S Max. Marks: 75
Note	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all consists of 5 Units. Answer any one full question from each 10 marks and may have a, b, c as sub questions. PART - A	questions in Part A. Part B n unit. Each question carries (25 Marks)
1.a) b) c) d) e) f) g) h) i)	Define various data types. What are structured array? Give examples. Discuss about probability function. Calculate clear statistics for random variables. Explain about SQL data types. Describe about R connector. Explain types of correlation. What is periodogram? Give example. What are the problems related to a project?	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
j)	Explain Smart Utilities. PART - B	[3] (50 Marks)
2.a) b)	Describe working of data sets with their syntax and exampl Discuss how R windows structure is useful to environment.	es. [5+5]
3.a) b)	What are outliers combining datasets. Explain. State about time management and work.	[5+5]
4.a) b)	Calculate probability for n*(n-1) functions. Explain random variables.	[5+5]
5.a) b)	Explain the clear summary about the probability and data. Explain Teamwork communication and time management. Write a program in SQL to evaluate the program "COMMA	ND" [10]
5. 7.a) b)	OR Differentiate between data integrity and data manipulator. How data base connector is used to R-integrity?	[5+5]

<ul> <li>8.a) Differentiate between regression and correlated analysis.</li> <li>b) Explain about Heteroscedasticity. [5+5]</li> </ul>								
9.a) b)	Distinguish b Explain abou	etween forecasti t model of multi	ng and regression regression system	n.		[5+5]		
10.a) b)	Explain about Automated mechanism design. Write an optimality function for a close loop system. <b>OR</b>					[5+5]		
	Explain abou constraints.	t Individual rati	onality (IR) con	straints and Ince	entive compatibil	ity (IC) [10]	·	
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