

Make-up Examination

August 2024

CET1011B - Data Analytics

Question Paper ID: 038365

Faculty/School	School of Engineering and Technology	Term	Semester V
Program	TY Int.CSE (AIDS)	Duration	2 Hours 30 Minutes
Specialization	-	Max. Marks	70

Section - 1(7Qx2mark) (5 X 2 Marks)

Answer any 5 questions

1	List tools used in Data Analytics	2 marks	CO1	Remembering
2	What is Big Data?	2 marks	CO2	Understanding
3	What is Statistics?	2 marks	CO3	Remembering
4	Define Inferential Statistics	2 marks	CO3	Remembering
5	What is Data Preprocessing?	2 marks	CO4	Understanding
6	List all different types of data cleaning tools	2 marks	CO4	Remembering
7	What is Data Visualization	2 marks	CO5	Understanding

Section - 2(14Qx4mark) (10 X 4 Marks)

Answer any 10 questions

8	Describe Predictive and Descriptive analytics?	4 marks	CO1	Understanding
9	Explain Roles and Responsibility of Data Analyst	4 marks	CO1	Remembering
10	Explain types of Big data with example	4 marks	CO2	Applying
11	Explain Data Pipeline with Steps	4 marks	CO2	Applying
12	Explain the Following Terms wrt Statistics I) Population ii) Sample iii) Parameter iv) Statistic	4 marks	CO3	Understanding
13	Explain different types of variables (categorical, numerical)	4 marks	CO3	Understanding
14	Explain the terms Mean, Mode, variance and standard deviation with example	4 marks	CO3	Applying
15	Explain the concepts of Dependent and Independent variable with example	4 marks	CO3	Applying
16	Explain the fundamentals of data privacy	4 marks	CO4	Understanding

17	Explain Data Cleaning Features in SPREADSHEETS	4 marks	CO4	Applying
18	Explain strategies for optimizing Data Cleaning Process	4 marks	CO4	Applying
19	Explain Encoding Techniques for Categorical Data	4 marks	CO4	Applying
20	what is Data Visualization? Explain elements of data Visualization with diagram	4 marks	CO5	Understanding
21	Explain Frequency Distribution Plot	4 marks	CO5	Applying

Section - 3(7Qx4mark) (5 X 4 Marks)

Answer any 5 questions

22	Differentiate Between Data Analytics and Data Analysis	4 marks	CO1	Remembering
23	Explain any two Data Repositories	4 marks	CO2	Understanding
24	Explain the importance of Statistics	4 marks	CO3	Remembering
25	Explain Descriptive and Inferential Statistic with its types	4 marks	CO3	Understanding
26	Write the SQL Queries to Clean data: removing duplicate records, Handling Missing Values, Data Standardization, Correcting Data Errors	4 marks	CO4	Applying
27	Explain Data Reduction Techniques (Attribute And Dimensionality Reduction)	4 marks	CO4	Understanding
28	Explain Various Data Visualization Tools in Detail	4 marks	CO5	Remembering

END OF QUESTION PAPER