

No Preview
Available

Total No. of Question : [4]

Registration No. :

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Programme Name : Computer Science & Engineering(DS)

Regular T.Y.B.Tech. ESE (A.Y. 2023-24) Sem.V Nov.2023

V SEMESTER (2021 BATCH)

201DSL302-Exploratory Data Analysis and Visualization(TH)

Duration : [11:00 AM - 01:00 PM]

Date : 22 Nov, 2023

Day : Wednesday

Marks : 50

Instructions :

(Q1) All Questions are compulsory. [20.0]

(1.1) Explain exploratory data analysis fundamentals. [6.0]

CO :- C302.1

Blooms Taxonomy :- Apply

(1.2) Write short note on following chart and give guidelines to choose best chart. [7.0]

a)Line chart

b)Bar chart

c) Scatter plot

CO :- C302.2

Blooms Taxonomy :- Analyze

(1.3) What are different types of kurtosis,explain them in brief. [7.0]

CO :- C302.2

Blooms Taxonomy :- Analyze

(Q2) All Questions are compulsory. [10.0]

(2.1) Explain understanding group-by functionalities. [4.0]

CO :- C302.2

Blooms Taxonomy :- Analyze

(2.2) Explain data aggregation with different function. [6.0]

CO :- C302.2

Blooms Taxonomy :- Analyze

OR [2.2 / 2.3]

(2.3) Explain pivot tables and cross tabulations with syntax. [6.0]

CO :- C302.3
Blooms Taxonomy :- Understand

(Q3) All Questions are compulsory. [10.0]

(3.1) Mention characteristics of time series data. [3.0]

CO :- C302.3
Blooms Taxonomy :- Understand

(3.2) What are different types of analysis.Explain each one in brief. [7.0]

CO :- C302.3
Blooms Taxonomy :- Understand

OR [3.2 / 3.3]

(3.3) What is time based indexing,mention its library file with syntax. [7.0]

CO :- C302.3
Blooms Taxonomy :- Understand

(Q4) Attempt any two out of three questions. [10.0]

(4.1) Explain and define hypothesis testing . [5.0]

CO :- C302.4
Blooms Taxonomy :- Apply

(4.2) Explain types of hypothesis testing.Give details for p hacking or T-test. [5.0]

CO :- C302.4
Blooms Taxonomy :- Apply

(4.3) Explain types of regression.Write short note on any one type of regression. [5.0]

CO :- C302.4
Blooms Taxonomy :- Apply
