

No Preview
Available

Total No. of Question : [4]

Registration No. :

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Programme Name : Computer Science & Engineering(DS)

Regular S.Y.B.Tech.Sem.IV ESE May / June 2023

IV SEMESTER (2021 BATCH)

201DSL213-Fundamentals of Data Science

Duration : 2 Hours

Marks : 50

Instructions :

(Q1) All Questions are compulsory [20.0]

(1.1) what are the components of Data Science. [6.0]

CO :- C213.1

Blooms Taxonomy :- Understand

(1.2) Explain first and last step of data science process with neat labeled diagram. [7.0]

CO :- C213.1

Blooms Taxonomy :- Understand

(1.3) Explain Data Science Life-cycle. [7.0]

CO :- C213.1

Blooms Taxonomy :- Understand

(Q2) All Questions are compulsory [10.0]

(2.1) Write a short note on Retrieving data. [4.0]

CO :- C213.2

Blooms Taxonomy :- Understand

(2.2) Explain in detail Data integrating. [6.0]

CO :- C213.2

Blooms Taxonomy :- Understand

OR [2.2 / 2.3]

(2.3) Explain in detail Data transforming. [6.0]

CO :- C213.2

Blooms Taxonomy :- Understand

(Q3) All Questions are compulsory [10.0]

(3.1) What is NumPy? [3.0]

CO :- C213.3
Blooms Taxonomy :- Understand

(3.2) Explain Numpy array with an example. [7.0]

CO :- C213.3
Blooms Taxonomy :- Understand

OR [3.2 / 3.3]

(3.3) What are the Key Features of Pandas. [7.0]

CO :- C213.3
Blooms Taxonomy :- Understand

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

(4.1) What are the Benefit of Data Visualization [5.0]

CO :- C213.4
Blooms Taxonomy :- Understand

(4.2) Explain Matplotlib Architecture in detail. [5.0]

CO :- C213.4
Blooms Taxonomy :- Understand

(4.3) State the difference between simple line plots and scatter plots. [5.0]

CO :- C213.4
Blooms Taxonomy :- Understand
