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School of Computing Science and Engineering

BCA with Industry Oriented Specialization in Data Analytics

Semester End Examination - Nov 2023

Duration : 180 Minutes

Max Marks : 100

Sem III - MCAE2351 - Data analysis handling and VisualizationGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Define the term Pandas. K1 (2)
- 2) Explain the need of dataframe() constructor K2 (4)
- 3) Explain the measures of central tendency. K2 (6)
- 4) Demonstrate some of the Data Visualization tools in detail. K3 (9)
- 5) Create a Radar char using python. K3 (9)
- 6) Argue, why do developers prefer NumPy to similar tools like Matlab, Yorick. K5 (10)
- 7) Argue how data visualization is better than the traditional text based data methods. K4 (12)
- 8) Using a bar Plot to Visualize Correlation between Various student enrolled in different courses within a dataset with the help of Matplotlib K5 (15)
- 9) Appraise the steps have you taken in past positions to enhance your data visualization skills? K5 (15)
- 10) Investigate the advances and the latest trends in the data analysis and handling as well as the latest applications of the area . K6 (18)