

Code No: 763AC

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

MBA III Semester Examinations, September/October - 2022

DATA ANALYTICS

Time: 3 Hours

Max.Marks:75

Answer any five questions
All questions carry equal marks

1.a) Enumerate in detail about Data analytics and the importance of data analytics in the current scenario.

b) Examine the types of data visualization tools. [8+7]

2.a) Find the Value of Range and its Coefficient for the following data:
7, 9, 6, 8, 11, 10, 4

b) Discuss the statistical tools /methods for summarizing data. [8+7]

3.a) Find the Karl Pearson's Coefficient of Correlation from the following data between height of the father(x) and son (y).

X	64	65	66	67	68	69	70
Y	66	67	65	68	70	68	72

b) Brief on data modeling and data fitting. [8+7]

4.a) Exemplify about data mining and its scope in various sectors and also infer about data exploration and reduction.

b) Brief on measures of location and measures of dispersion. [8+7]

5.a) Enumerate about random number generation and brief about the practical application and its uses.

b) Obtain a regression line associated with the following data by the method of least-squares. [7+8]

X	1	2	3	4	5
Y	185	338	149	176	432

6.a) Examine about Data for business analytics and clarify the context – “Using data for business analytics improves business outcomes”.

b) Discuss the importance of linear discriminant analysis. [8+7]

7.a) Explain the scope of data mining and brief on cluster analysis.

b) Discuss about the classification and regression trees. [8+7]

8.a) Find the Coefficient of Correlation from the following data:

X	1	2	3	4	5	6	7	8	9
Y	9	8	10	12	11	13	14	16	15

b) Explain the Monte Carlo Simulation. [8+7]

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