

Seat No.	
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**B.E. (CSE) (Revised) (Semester - VIII) Examination,
November - 2018
DATAANALYTICS
Sub. Code : 67824**

Day and Date : Monday, 12 - 11 - 2018

Total Marks : 100

Time : 10.00 a.m. to 01.00 p.m.

- Instructions :**
- 1) Figures to the right indicate full marks.
 - 2) Question no. 4 & Question no. 8 are Compulsory.
 - 3) Attempt any Two Questions from Q.1 to Q.3 and from Q.5 to Q.7.

Q1) a) Explain development of Business intelligence system with the help of neat diagram? [8]

b) Explain representation of the decision making process? [8]

Q2) a) Explain structure of mathematical models for decision making? [8]

b) Explain in detail Bivariate analysis with example? [8]

Q3) a) Explain Big data Stack with different layers? [8]

b) Describe working of Map-Reduce programming model? [8]

Q4) Attempt Any Three [3 × 6 = 18]

- a) Write a note on Business intelligence.
- b) Discuss various applications of data mining.
- c) Define Big data & describe various elements of Big data.
- d) Write a note on Pig, Hive and HBase.

P.T.O.

Q5) a) Describe classification trees for learning methods in data mining? [8]

b) Write a note on Bayesian Methods? [8]

Q6) a) Explain K-means clustering Algorithm? [8]

b) Write a short note on different clustering techniques? [8]

Q7) a) List and explain the different functions to handle the data in R workspace with an example? [8]

b) Write different functions to manipulation & process the data using R.[8]

Q8) Attempt Any Three

[3 × 6 = 18]

a) Explain structure of regression model.

b) Write K-mediods clustering Algorithm.

c) Describe Frames in R with data management.

d) Describe reading & exporting dataset in R.

