Seat No.	

SV - 217

Total No. of Pages : 2

B.E. (CSE) (Semester - VIII) (Revised) Examination, May - 2019

DATA ANALYTICS

Sub. Code : 67824

Day and Date : Tuesday, 14 - 05 - 2019

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

Total Marks : 100

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) Discuss the phases in the development of Decision-support system? [8]

b) Explain the architecture of Data Warehouse. [8]

Q2) a) List and explain classes of Mathematical models? [8]

b) Explain data validation process in data preparation? [8]

Q3) a) Describe Map-Reduce Programming model with example? [8]

b) Explain HDFS Architecture and the working of Hadoop Heartbeat message in HDFS with diagram? [8]

Q4) Attempt Any Three : [18]

a) Discuss various applications of data mining.

b) Explain Cube & Multidimensional Analysis.

c) Write a note on types of decision.

d) Write a note on YARN.

Q5) a) Explain structure of regression model along with simple linear regression. [8]

b) Describe classification problem in data mining along with neat diagram? [8]

P.T.O.

Q6) a) Explain Single dimensional association rule? [8]

b) Explain K-means clustering Algorithm? [8]

Q7) a) Describe a matrix in R & manipulate with different commands? [8]

b) Write a note on reading and exporting Data from R? [8]

Q8) Attempt Any Three : [18]

a) Write a short note on different clustering techniques.

b) Explain K-medoids clustering Algorithm.

c) Describe Splitting rules in classification trees.

d) Explain creation of a matrix in R & manipulate with different commands.

❖❖❖❖

SUK-45016