Total No. of Questions : 5]

SEAT No. :

P2133

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[5803]-306
S.Y. B.B.A. (CA)
CA-305 : BIGDATA
(2019 CBCS Pattern) (Semester - III)

Time : 2½ Hours] *[Max. Marks : 70*

Instructions to the candidates:

1) *All questions are compulsory.*
2) *Figures to right indicate marks.*

Q1) Attempt any EIGHT of the following. **[8×2=16]**

a) What is big data?

b) What is Data Analytics?

c) What is population?

d) Define sample.

e) What is machine learning?

f) What is KNN?

g) Define EM algorithm.

h) Define market basket analysis.

i) What is Apriori algorithm?

j) What is R?

Q2) Attempt any FOUR of the following. **[4×4=16]**

a) Explain the types of Data Analytics.

b) Explain correlation with its type.

c) Explain support vector machine with example.

d) Explain Machine learning.

e) Explain Association rule mining.

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Q3) Attempt any Four of the following. **[4×4=16]**

a) How Naive Bayes algorithm works.

b) Explain Decision tree with example.

c) Explain the application of big data.

d) Explain cluster analysis with its types.

e) What is digital data? Explain its type.

Q4) Attempt any Four of the following. **[4×4=16]**

a) What is regression? Explain with its type.

b) Explain the five applications of machine learning.

c) Write an R program to find the maximum and the minimum value of a given vector.

d) Write an R program to compare two data frames to find the elements in first data frame that are not present in second data frame.

e) Write an R program to find Sum, Mean and Product of a Vector.

Q5) Write a short note on any TWO of the following. **[2×3=6]**

a) Population and sample.

b) Data Visualisation.

c) Data types in R.

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