

Total No. of Questions :5]

SEAT No. :

P1311

[Total No. of Pages : 3

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T.Y. B.Sc.

COMPUTER SCIENCE

CS-364: Data Analytics

(2019 Pattern) (Semester - VI) (CBCS)

Time : 2 Hours]

[Max. Marks : 35

Instructions to the candidates:

- 1) Figures to the right indicate full marks.
- 2) All questions are compulsory.

Q1) Attempt any EIGHT of the following.

[8 × 1 = 8]

- a) What is the apriori Property?
- b) What is Bag of words?
- c) What is sentiment Analysis?
- d) What is the purpose of AVC & ROC?
- e) State any 2 uses of Machine Learning.
- f) Define Logistic Regression.
- g) What is Deep Learning?
- h) What is Diagnostic Analytics?
- i) What is Atotificial Intelligence?
- j) In market basket Analysis. What will happen when minimum support is reduced?

Q2) Attempt any Four of the following.

[4 × 2 = 8]

- a) What is Text Summarization?
- b) What are frequent itemset? Explain with example.

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- c) List various measures for evaluating prediction model.
- d) What is Classification?
- e) In Regression what is dependent and independent variables?

Q3) Attempt any Two of the following.

[2 × 4 = 8]

- a) Consider the following dataset. Apply Apriori algorithm to generate frequent pattern for given transactional database (Minsup=0.5)

Tid	Items
T1001	Ghee, Butter milk, Milk
T1002	Ghee, Butter milk
T1003	Ghee, Curd, Cheese
T1004	Cheese, Curd
T1005	Cheese, Milk
T1006	Ghee, Curd, Cheese

- b) What is stemming & lemmatization? Give example.
- c) Explain various types of Data Analytics.

Q4) Attempt any Two of the following.

[2 × 4 = 8]

- a) Explain seven layers of Social Media Analytics.
- b) Define Accuracy, Precision, Recall & specificity.
- c) Explain types of machine Learning techniques with example.

Q5) Attempt any One of the following

[1 × 3 = 3]

- a) Define Lift, support & confidence.
- b) What is confusion Matrix? Explain with example.



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