Jayawant Shikshan Prasarak Mandal’s

Bhivarabai Sawant Institute of Technology & Research Wagholi, Pune – 412 207

Department Of Computer Engineering

Academic Year 2020-21(Sem I)

Class : BE Subject : Data Analytics

Marks : 30 Time : 1 hour

Class TEST: III

*Instructions to the candidates:*

* ***Assume suitable data, if necessary***
* ***Solve All***

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| Q. 1 | What is market basket analysis?Explain apriori algorithm with example. | 06M |
| Q. 2 | What is regression ?explain any one type of regression in detail? | 06M |
| Q.3 | For the given transaction data set generate rules using apriori algorithm ,consider the values as support=22% and confidence=70%.   |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Transaction id | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Item purchased | I1,  I2,  I5 | I2,  I4 | I3,  I2 | I1,  I2,  I4 | I1,  I3 | I2,  I3 | I1,  I3 | I1,  I2,  I3,  I5 | I1,  I2,  I3 | | 06M |
| Q. 4 | Explain evaluation of candidate rules | 06M |
| Q. 5 | Explain advantage and limitation of association rules | 06M |