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

UNIT TEST: I

*Instructions to the candidates:*

* ***Assume suitable data, if necessary***
* ***Solve ANY 5***

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| Q. 1 | Explain Current Analytical Architecture with Suitable diagram | 6M |
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| Q. 2 | Explain Data Analytic Life Cycle with diagram. | 6M |
| Q. 3 | Explain any two of the following   * Wilcoxon rank sum test * Type1 and Type 2 error * ANOVA | 6M |
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| Q. 4 | |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Height | 185 | 170 | 168 | 179 | 182 | 188 | 180 | 180 | 183 | 180 | 180 | 177 | | Weight | 72 | 56 | 60 | 68 | 72 | 77 | 71 | 70 | 84 | 88 | 67 | 76 |   Use the above data and group them using K Means Clustering Algorithm.show calculation of centroid. | 6M |
| Q. 5 | What is Regression ?explain any one type of regression in detail. | 6M |
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| Q. 6 | What is market Basket Analysis .Explain a-priori algorithm, | 6M |
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