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| Code] | No: 117CD | | R13 | | | | | |
| | JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY | | AD | | | | | |
| | B. Tech IV Year I Semester Examinations, November/Dec DATA WAREHOUSING AND DATA MINING (Computer Science and Engineering) 3 Hours | ember - 2017 ———————————————————————————————————— | Rs: 75 | K | | | | |
| Note: | This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all question consists of 5 Units. Answer any one full question from each carries 10 marks and may have a, b, c as sub questions. | | | | | | | |
| Ro | RORO RART-A RO | R_{Q} | 5 Marks) | | | | | |
| 1.a) b) c) | Define data warehouse. List the Data warehouse Characteristics. How can you go about filling in the missing values for this attribu | uto? | [2] [3] [2] | | | | | |
| d) | Why is the word data mining a misnomer? | | [3] | | | | | |
| $\left \left\langle \right\rangle \right\rangle \left\langle \right$ | Give a note on Closed Frequent Item Set. Write the FP-graph algorithm. | 大() | [2] | | | | | |
| g) h) | How prediction is different from classification? What is rule classification? | | [2] [3] | | | | | |
| i) j) | Give a note on k means algorithm. List the Key Issues in Hierarchical Clustering. | | [2] [3] | | | | | |
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| 2.a) | Make a comparisons between the MOLAP and HOLAP | (5 | 50 Marks) | | | | | |
| b) | Make a comparisons between the MOLAP and HOLAP. Discuss the star and snowflake schema in detail with suitable example. [5+5] | | | | | | | |
| 3.a) | OR Write the difference between designing a data warehouse and an | OLAP cube. | | ; | | | | |
| () b) | Give a brief note on ROLAP. | RO: | [5+5] | | | | | |
| 4. | Explain concept hierarchy generation for the nominal data. | | [10] | | | | | |
| 5.a) b) | OR Describe the Feature Subset Selection. Illustrate the Data Transformation by Normalization. | | [5+5] | | | | | |
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| 6. RO | | databases. Apply LIST O Bread, N Onion, ' Milk, C Chillies | ri and ECLAT al these algorithms F ITEMS Milk, Sugar, TeaP Tomato, Chillies, ake, Biscuits, Che , Potato, Milk, Ca tam, Mik, Butter, | to the following owder, Cheese, Sugar, Milk eese, Onion ke, Sugar, Bread | data: | mining in | | | | | |
| PO _{7.} | | Onion, I Bread, J () n the Partition A | | farlic, Milk ts, Fomato | Ro | $\begin{bmatrix} 10 \\ 10 \end{bmatrix}$ | | | | | |
| 8. 9. | Discuss K- Nearest neighbor classification-Algorithm and Characteristics. [10] OR How does the Naïve Bayesian classification works? Explain in detail. [10] | | | | | | | | | | |
| [] (10.a) b) | Give a brief n | ote on PAM Alg | orithm) means algorithm' | Da | Da | DA | R | | | | |
| 11. | OR 11. What are the different clustering methods? Explain in detail. [10] | | | | | | | | | | |
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