Program: BE Computer Engineering

Curriculum Scheme: **Revised 2012**

Examination: **Final Year Semester VIII**

Course Code: **CPC801** and Course Name: **DWM**

Time: 1-hour Max. Marks: 50

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Note to the students: - All the Questions are compulsory and carry equal marks.

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| Q1.  | According to Bill Inmon what are the key features of a DW |
| Option A: | Subject oriented  |
| Option B: | Integrated |
| Option C: | Time variant  |
| Option D:  | All the above |
|  |  |
| Q2. | Users of the data Warehouse  |
| Option A: | executives |
| Option B: | business experts |
| Option C: | decision makers |
| Option D: | all the above |
|  |  |
| Q3. | The data is stored, retrieved & updated in \_\_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | OLAP |
| Option B: | OLTP |
| Option C: | SMTP |
| Option D: | FTP |
|  |  |
| Q4. | The distance interquartile range (IQR) is defined as |
| Option A: | IQR=Q3-Q2 |
| Option B: | IQR=Q3-Q1 |
| Option C: | IQR=Q4-Q3 |
| Option D: | IQR=Q2-Q1 |
|  |  |
| Q5. | Which Operation of OLAP provides alternate presentation of data by rotating it |
| Option A: | Slice |
| Option B: | Roll up |
| Option C: | Dice |
| Option D:  | Pivot |
|  |  |
| Q6. | The full form of OLAP is |
| Option A: | Online analytical processing |
| Option B: | Online analysis processing |
| Option C: | Online transaction processing |
| Option D:  | Online aggregate processing |
|  |  |
| Q7.  | A data cube consists of |
| Option A: | Multidimensional |
| Option B: | No dimensional |
| Option C: | Dimensional |
| Option D:  | Procedural data |
|  |  |
| Q8.  | \_\_\_\_\_\_\_\_\_\_\_\_ are some popular OLAP tools |
| Option A: | Metacube, Informix. |
| Option B: | Oracle Express, Essbase. |
| Option C: | HOLAP. |
| Option D:  | MOLAP. |
|  |  |
| Q9. | An essential process used for applying intelligent methods to extract the data patterns is named as |
| Option A: | data mining |
| Option B: | data analysis |
| Option C: | data implementation |
| Option D:  | data computation |
|  |  |
| Q10.  | Which data mining task can be used for predicting wind velocities as a function of temperature, humidity, air pressure |
| Option A: | Cluster Analysis  |
| Option B: | Regression  |
| Option C: | Classification  |
| Option D:  | Sequential pattern discovery |
|  |  |
| Q11.  | What is Data Integration |
| Option A: | where multiple data sources get combined |
| Option B: | Deduplication |
| Option C: | redundant |
| Option D:  | collaborative |
|  |  |
| Q12.  | Which of the following data mining task is known as Market Basket Analysis? |
| Option A: | Association Analysis  |
| Option B: | Regression  |
| Option C: | Classification |
| Option D: | Outlier Analysis |
|  |  |
| Q13. | The numerical data types are |
| Option A: | Ratio and Ordinal  |
| Option B: | Ratio and Interval  |
| Option C: | Interval and Ordinal  |
| Option D:  | Ordinal and Nominal  |
|  |  |
| Q14.  | Which of the following is not an algorithm of partitioning methods? |
| Option A: | K-means  |
| Option B: | DIANA  |
| Option C: | K-medoids  |
| Option D:  | CLARANS |
|  |  |
| Q15. | Which of the following is not an example of a density-based algorithm? |
| Option A: | DIANA  |
| Option B: | DBSCAN  |
| Option C: | OPTICS  |
| Option D:  | ID3 |
|  |  |
| Q16.  | What is the minimum no. of variables /features required to perform clustering? |
| Option A: | 0 |
| Option B: | 1 |
| Option C: | 2 |
| Option D:  | 3 |
|  |  |
| Q17. | Which of these is not a frequent pattern mining algorithm? |
| Option A: | Apriori |
| Option B: | FP Growth |
| Option C: | Decision Trees |
| Option D: | Eclat |
|  |  |
| Q18. | Which of the following is direct application of frequent itemset mining? |
| Option A: | Social Network Analysis |
| Option B: | Market Basket Analysis |
| Option C: | Outlier Detection |
| Option D:  | Intrusion Detection |
|  |  |
| Q19.  | The Apriori algorithm is a \_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | top-down search. |
| Option B: | breadth first search. |
| Option C: | depth first search. |
| Option D:  | bottom-up search. |
|  |  |
| Q20. | The FP-growth algorithm has \_\_\_\_\_\_\_\_ phases. |
| Option A: | one |
| Option B: | two |
| Option C: | three |
| Option D: | four |
|  |  |
| Q21. | The left-hand side of an association rule is called \_\_\_\_\_\_\_\_\_\_. |
| Option A: | consequent. |
| Option B: | onset |
| Option C: | antecedent |
| Option D:  | precedent |
|  |  |
| Q22.  | Which of the following is the type of Metadata |
| Option A: | Operational Metadata |
| Option B: | Extraction and transformational metadata |
| Option C: | End-User metadata |
| Option D:  | all the Options |
|  |  |
| Q23. | ETL stands for |
| Option A: | Extract Transform Load  |
| Option B: | Extract Transport Load |
| Option C: | Enter Transform Layout |
| Option D:  | Extract Transform Low |
|  |  |
| Q24.  | The source of all data warehouse data is the\_\_\_\_\_\_\_\_\_\_\_\_ |
| Option A: | operational environment |
| Option B: | informal environment |
| Option C: | formal environment |
| Option D:  | technology environment |
|  |  |
| Q25. | The numerical data types are |
| Option A: | Ratio and Ordinal  |
| Option B: | Ratio and Interval  |
| Option C: | Interval and Ordinal  |
| Option D:  | Ordinal and Nominal  |