

International Institute of Health Management Research
Term End Examination
Sub: HIT713 Basics of Data mining and Data warehousing

Max. Mark: 70

Max Time: 03:00 Hrs

Que 1: Attempt all Questions

10*2 M

1. Which of the following is not a data mining functionality?
 - A) Characterization and Discrimination
 - B) Classification and regression
 - C) Selection and interpretation
 - D) Clustering and Analysis

2. is the process of finding a model that describes and distinguishes data classes or concepts.
 - A) Data Characterization
 - B) Data Classification
 - C) Data discrimination
 - D) Data selection

3. is a subject-oriented, integrated, time-variant, nonvolatile collection or data in support of management decisions.
 - A) Data Mining
 - B) Data Warehousing
 - C) Document Mining
 - D) Text Mining

4. The data is stored, retrieved and updated in
 - A) OLAP
 - B) OLTP
 - C) SMTP
 - D) FTP

5. Which of the following is not a kind of data warehouse application?
 - A) Information processing
 - B) Analytical processing
 - C) Data mining
 - D) Transaction processing

6. A data warehouse is which of the following?
 - A) Can be updated by end users
 - B) Contains numerous naming conventions and formats.
 - C) Organized around important subject areas.
 - D) Contains only current data

7. An OLAP tool provides for
 - A) Multidimensional analysis
 - B) Roll-up and drill-down
 - C) Slicing and dicing
 - D) Rotation
 - E) All Above

8. The data Warehouse is _____.
 - A) read only.
 - B) write only.
 - C) read write only.
 - D). none.

9. _____predicts future trends & behaviors, allowing business managers to make proactive, knowledge-driven decisions.
 - A) Data warehouse.
 - B) Data mining.
 - C) Datamarts.
 - D) Metadata.

- 10 Data transformation includes which of the following?
 - A) A process to change data from a detailed level to a summary level
 - B) A process to change data from a summary level to a detailed level
 - C) Joining data from one source into various sources of data
 - D) Separating data from one source into various sources of data

Que. 3: Solve Any Five

(5* 10) M

1. Differentiate between DBMS and Data Warehouse
2. What is Multidimensional Model? Explain Star Schema with Example
3. What is Association Rule? Explain with Example
4. Discuss about Bayesian Classification with example.
5. Briefly discuss the architecture of data mining system
6. Discuss the various application of Data mining in Healthcare
7. Discuss the use of Tableau and R software in Healthcare
8. Suppose that a data warehouse consists of the three dimensions time, doctor, and patient, and the two measures count and charge, where charge is the fee that a doctor charges a patient for a visit. Draw a star schema diagram for the above data warehouse
9. Discuss the typical OLAP operations with example