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. A goal of data mining includes which of the following?
a. To explain some observed event or condition
b. To confirm that data exists
c. To analyze data for expected relationships
d. To create a new data warehouse

2. . An operational system is which of the following?
a. A system that is used to run the business in real time and is based on historical data.
b. A system that is used to run the business in real time and is based on current data.
c. A system that is used to support decision making and is based on current data.
d. A system that is used to support decision making and is based on historical data.

3 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.

4. Fact tables are which of the following?
a. Completely demoralized
b. Partially demoralized
c. Completely normalized
d. Partially normalized

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. Record cannot be updated in _____.
a. OLTP
b. files
c. RDBMS
d. data warehouse

7. _____databases are owned by particular departments or business groups.
a. Informational.
b. Operational.
c. Both informational and operational.
d. Flat.

8. The extract process is _____.
a. capturing all of the data contained in various operational systems.
b. capturing a subset of the data contained in various operational systems.
c. capturing all of the data contained in various decision support systems.
d. capturing a subset of the data contained in various decision support systems.

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 _____ is data about data.
a. Metadata.
b. Microdata.
c. Minidata.
d. Multidata.

Que. 2: Solve Any Five   (5* 10) M

1. Differentiate between OLAP and OLTP. Explain Snowflake Schema
2. What is Naïve Bayes Algorithm? Explain with Example
3. Discuss about Association algorithm with example.
4. Briefly discuss the architecture of Data warehouse
5. Differentiate between dependent data mart and independent data mart. Why data mart?
6. What do you mean by Information Crisis? How Data warehouse and Data mining helps in decision making in Healthcare
7. Explain with example Roll Up, Drill Down, Pivot, Slice and Dice