DATA MINING AND DATA WARE HOUSE BASED COMPUTER MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By Careericons Team

Q1. DNA (Deoxyribonucleic acid)

a) It is hidden within a database and can only be recovered if one is given certain clues (an example IS encrypted information).

b) The process of executing implicit previously unknown and potentially useful information from dat(A)

c) An extremely complex molecule that occurs in human chromosomes and that carries genetic information in the form of genes.
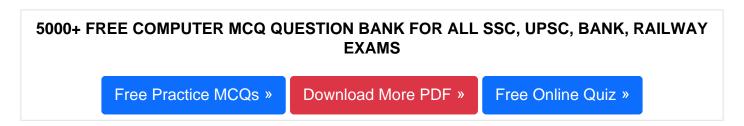
d) None of these

Q2. Data warehouse is

a) The actual discovery phase of a knowledge discovery process

b) The stage of selecting the right data for a KDD process

c) A subject-oriented integrated timevariant non-volatile collection of data in support of management

d) None of these

Q3. Projection pursuit is

a) The result of the application of a theory or a rule in a specific case

b) One of several possible enters within a database table that is chosen by the designer as the primary means of accessing the data in the table.

c) Discipline in statistics that studies ways to find the most interesting projections of multi-dimensional spaces

d) None of these

Q4. Incremental learning referred to

a) Machine-learning involving different techniques

b) The learning algorithmic analyzes the examples on a systematic basis and makes incremental adjustments to the theory that is learned

c) Learning by generalizing from examples

d) None of these

Q5. Case-based learning is

a) A class of learning algorithm that tries to find an optimum classification of a set of examples using the probabilistic theory.

b) Any mechanism employed by a learning system to constrain the search space of a hypothesis.

c) An approach to the design of learning algorithms that is inspired by the fact that when people encounter new situations, they often explain them by reference to familiar experiences, adapting the explanations to fit the new situation.

d) None of these

Q6. Statistics

a) The science of collecting, organizing, and applying numerical facts

b) Measure of the probability that a certain hypothesis is incorrect given certain observations.

c) One of the defining aspects of a data warehouse, which is specially built around all the existing applications of the operational dat(A)

d) None of these

Q7. Enrichment is

a) A stage of the KDD process in which new data is added to the existing selection

b) The process of finding a solution for a problem simply by enumerating all possible solutions according to some pre-defined order and then testing them.

c) The distance between two points as calculated using the Pythagoras theorem.

d) None of these

Q8. Query tools are

a) A reference to the speed of an algorithm, which is quadratically dependent on the size of the dat(A)

b) Attributes of a database table that can take only numerical values.

c) Tools designed to query a database.

d) None of these

Q9. Learning algorithm referrers to

a) An algorithm that can learn

b) A sub-discipline of computer science that deals with the design and implementation of learning algorithms.

c) A machine-learning approach that abstracts from the actual strategy of an individual algorithm and can therefore be applied to any other form of machine learning.

d) None of these

Q10. Machine learning is

a) An algorithm that can learn

b) A sub-discipline of computer science that deals with the design and implementation of learning algorithms.

c) An approach that abstracts from the actual strategy of an individual algorithm and can therefore be applied to any other form of machine learning.

d) None of these

Q11. Key is referred to

a) Non-trivial extraction of implicit previously unknown and potentially useful information from dat(A)

b) Set of columns in a database table that can be used to identify each record within this table uniquely

c) collection of interesting and useful patterns in a database

d) none of these

Q12. Data selection is

a) The actual discovery phase of a knowledge discovery process

b) The stage of selecting the right data for a KDD process

c) A subject-oriented integrated timevariant non-volatile collection of data in support of management

d) None of these

Q13. Expert systems

a) Combining different types of method or information

b) Approach to the design of learning algorithms that is structured along the lines of the theory of evolution.

c) Decision support systems that contain an Information base filled with the knowledge of an expert formulated in terms of if-then rules

d) None of these

Q14. n(log n) is referred to

a) A measure of the desired maximal complexity of data mining algorithms

b) A database containing volatile data used for the daily operation of an organization

c) Relational database management system

d) None of these

Q15. Black boxes

a) This takes only two values. In general, these values will be 0 and 1 and they can be coded as one bit.

b) The natural environment of a certain species

c) Systems that can be used without knowledge of internal operations

d) None of these

Answers to the above questions :

Q1. Answer: (c)

Q2. Answer: (c)

Q3. Answer: (c)

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Q4. Answer: (b)

Q5. Answer: (c)

Q6. Answer: (a)

Q7. Answer: (a)

Q8. Answer: (c)

Q9. Answer: (a)

Q10. Answer: (b)

Q11. Answer: (b)

Q12. Answer: (b)

Q13. Answer: (c)

Q14. Answer: (a)

Q15. Answer: (c)

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