MAHATMA GANDHI UNIVERSITY SCHOOL OF DISTANCE EDUCATION

(MGU - CBCSS - UG - SDE 2012)

B.Sc Computer Science

Semester VI CORE- 26 Elective (A): Data Mining Multiple Choice Questions.

1. KDD describes the
A. whole process of extraction of knowledge from data
B. extraction of data
C. extraction of information
D. extraction of rules
ANSWER: A
2. SQL helps to find
A. the interesting data
B. hidden information
C. intermediate data
D. data under constraints that are already known
ANSWER: D
3. Translation of problem to learning technique is called as
A. reengineering.
B. translational engineering.
C. representational engineering.
D. learning algorithm.
ANSWER: C
 4. Which one of the following is not a part of empirical cycle in scientific research? A. Observation B. Theory. C. Self learning. D. Prediction. ANSWER: C
 5and are the important qualities of good learning algorithm. A. Consistent, Complete. B. Information content, Complex. C. Complete, Complex. D. Transparent, Complex. ANSWER: A
6. Redundancy refers to the elements of a message that can be derived from other parts of
A. different message.
B. irrelevant message.
C. same message.
D. complete message.
ANSWER: C
7. Metadata describes
A. contents of database.
B structure of contents of database

C. structure of database.

8. The partition of overall data warehouse is A. database. B. data cube. C. data mart. D. operational data. ANSWER: C 9 is used to load the information from operational database. A. Replication technique. B. Reengineering technique. C. Engineering technique. D. Transformation engineering. ANSWER: A 10 multiprocessing machines share same hard disk and internal memory. A. Massively parallel. B. Symmetric. C. Parallel. D. Asymmetric. Answer: B 11. A trivial result that is obtained by an extremely simple method is called A. naive prediction. C. correct prediction. D. wrong prediction. ANSWER: A 12. The information on two attributes is displayed in in scatter diagram. A. visualization space. B. scatter space. C. cartesian space. D. interactive space. ANSWER: C 13. OLAP stands for A. Online Analytical Processing. B. Online Linear Analytical Processing. D. Online Analytical Problem. ANSWER: A 14. K-nearest neighbor is one of the A. learning technique. B. OLAP tool. C. purest search technique. D. data warehousing tool. ANSWER: C 15. The intermediate unit in perceptron is A. photoreceptors. B. associators. C. responders. D. receptors.	A. database. B. data cube. C. data mart. D. operational data. ANSWER: C 9 is used to load the information from operational database. A. Replication technique. B. Reengineering technique. C. Engineering technique. D. Transformation engineering. ANSWER: A 10 multiprocessing machines share same hard disk and internal memory. A. Massively parallel. B. Symmetric. C. Parallel. D. Asymmetric. A. NSWER: B 11. A trivial result that is obtained by an extremely simple method is called A. naive prediction. B. accurate prediction. C. correct prediction. D. wrong prediction. ANSWER: A 12. The information on two attributes is displayed in in scatter diagram. A. visualization space. B. scatter space. C. cartesian space. D. interactive space. ANSWER: C 13. OLAP stands for A. Online Analytical Processing. B. Online Linear Analytical Processing. C. Online Analytical Process. D. Online Analytical Pro	D. database itself. ANSWER: B	
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ANSWER: B		A. photoreceptors.B. associators.C. responders.D. receptors.	

16. OLAP is used to explore the _____ knowledge.

A. shallow.
B. deep.
C. multidimensional.
D. hidden.
ANSWER: C
17. A natural way to visualize the process of training a self-organizing map is called
A. kohonen movie.
B. kohonen map.
C. frame.
D. scatter diagram.
ANSWER: A
18. Hidden knowledge can be found by using
A. searching algorithm.
B. pattern recognition algorithm.
C. searching algorithm.
D. clues.
ANSWER: B
19. Deep knowledge can be found only by using
A. clues.
B. OLAP.
C. SQL.
D. algorithm
ANSWER: A
20. The next stage to data selection in KDD process
A. enrichment.
B. coding.
C. cleaning.
D. reporting.
ANSWER: C
21 Enrichment meens
21. Enrichment means A. adding external data.
B. deleting data.
C. cleaning data.
D. selecting the data.
ANSWER: A
22. The desiries suggested exists a read only for
22. The decision support system is used only for A. cleaning.
B. coding.
C. selecting.
D. queries.
ANSWER: D
23. In approach data ware house is build first and all information needed is selected.
A. top-down.
B. client/server.
C. bottom-up.
D. DSS.
ANSWER: A
24. The DB vendor who is able to operate massively parallel computers is
A. TCS.
B. IBM.
C. CTS.
D. Wipro.

ANSWER: B
 25. Which of the following is closely related to statistical significance and transparency? A. Classification Accuracy. B. Transparency. C. Statistical significance. D. Search Complexity. ANSWER: B
26 is a creative activity that has to be performed repeatedly in order to get best results. A. Cleaning B. Reporting C. Coding. D. Selection. ANSWER: C
27 is an example for case based-learning. A. Decision trees. B. Neural networks. C. Genetic algorithm. D. K-nearest neighbor. ANSWER: D
28 percentage of the interesting information can be obtained by using SQL. A. 80 B. 70 C. 40 D. 50 ANSWER: A
 29 is the technique which is used for discovering patterns in dataset at the beginning of data mining process. A. Kohenon map. B. Visualization. C. OLAP. D. SQL. ANSWER: B
30. In K-nearest neighbor algorithm K stands for A. number of neighbors that are investigated. B. number of iterations. C. number of total records. D. random number. ANSWER: A
31. The complexity of data mining algorithm is represented by A. log n. B. 2n log n. C. n log n. D. 2 log n. ANSWER: C
32. Genetic algorithm was proposed by A. John Holland. B. Johnson. C. Watson. D. Kohenon. ANSWER: A
33 is the first stage in genetic algorithm. A. Evaluation of each string.

B. Selection of string.	
C. Creation of population of string.	
D. Genetic manipulation.	
ANSWER: C	
24. The six one of genetic energics that are used to recombine the nonulation of genetic meta-	പ്പി
34. The is one of genetic operators that are used to recombine the population of genetic mater	.Iai.
A. genetic operator.	
B. mutation operator.	
C. cross over operator.	
D. encoding operator.	
ANSWER: A	
35 is the heart of knowledge discovery in database process.	
A. Selection.	
B. Data ware house.	
C. Data mining.	
D. Creative coding.	
ANSWER: D	
26 is a planning antimination analization position for VI M	
36 is a planning optimization application written for KLM A. PILOTS.	
B. CAPTAINS.	
C. CUSTOMERS.	
D. AIRLINES.	
ANSWER: B	
37. EIS stands for	
A. Executive Information System.	
B. Exchange of Information System.	
C. Extra Information System.	
D. Extended Information system.	
ANSWER: A	
29. Eurojan kay gangtraints are also referred as	
38. Foreign key constraints are also referred as	
A. consistency constraints.	
B. referential integrity.	
C. conditional integrity.	
D. domain constraints.	
ANSWER: B	
39. The set of attribute in a database that refers to data in another table is called	
A. primary key.	
B. candidate key.	
C. foreign key.	
D. super key.	
ANSWER: C	
40. The distance between two points that is calculated using Dythegores theorem is	
40. The distance between two points that is calculated using Pythagoras theorem is A. cartesian distance.	
B. eucledian distance.	
C. extendable distance.	
D. heuristic distance.	
ANSWER: B	
41. A database containing volatile data used for daily operation of an organization is	
A. historic data.	
B. metadata.	
C. knowledge.	
D. operational data.	
ANSWER: D	

42. The system that can be used without knowledge of internal operation
A. black box.
B. white box.
C. case based learning.
D. bias.
ANSWER: A
43 is the relationship between compressibility and learnability.
A. Maximum description length principle.
B. Minimum description length principle.
C. Kolmogorov complexity.
D. Voronoi principle.
ANSWER: B
44. In KDD and data mining, noise is referred to as
A. repeated data.
B. complex data.
C. meta data.
D. random errors in database.
ANSWER: D
45. DSS stands for
A. Deciding Support System.
B. Decision Support System.
C. Decision Software System.
D. Decision System of System.
ANSWER: B
46. Data mining algorithms require
A. efficient sampling method.
B. storage of intermediate results.
C. capacity to handle large amounts of data.
D. All of the above.
ANSWER: D
47. The algorithm that need to access a table several times during execution is
A. n-table scan algorithm.
B. zoom scan algorithm.
C. hybrid algorithm.
D. nearest neighbor search.
ANSWER: A
48. A coding operation in which an attribute with cardinality n is replaced by n binary attributes is called as
A. falsification of table.
B. enrichment of table.
C. flattening of table.
D. fuzzification of table.
ANSWER: C
49. The un-normalized relation containing all attributes that exist in database is
A. actual relation.
B. transparent relation.
C. verified relation.
D. universal relation.
ANSWER: D
50. The technique of learning by generalizing from examples is
A. incremental learning.
B. inductive learning.

C. hybrid learn	ning.
D. generalized	learning.
ANSWER: B	
51 The ever incr	easing amount of data is compared to that of infinite library by Jorge Louis Borges in his short stories
namely	casing amount of data is compared to that of infinite notary by Jorge Louis Borges in his short stories
A. the library of	 of Louis
B. the library of	
C. the library of	
D. the library of	
ANSWER: C	
52 itself	has become a production factor of importance.
A. Data.	has become a production factor of importance.
B. Information	
C. Program.	
D. Algorithm.	
ANSWER: B	
53 The	plays an important role in artificial intelligence.
A. programmin	
B. scheduling.	is okin.
C. planning.	
D. learning cap	nahilities
ANSWER: D	definites.
THIS WEIG. D	
54. Knowledge d	iscovery in database refers to
_	ess of extraction of knowledge from data.
B. selection of	· · · · · · · · · · · · · · · · · · ·
C. coding.	
D. cleaning the	e data.
ANSWER: A	
55 Data mining i	s used to refer stage in knowledge discovery in database.
A. selection.	s used to refer stage in knowledge discovery in database.
B. retrieving.	
C. discovery.	
D. coding.	
ANSWER: C	
56. Ouerv tools a	nd data mining tools are
A. same.	c <u>———</u>
B. different.	
C. complement	tary.
D. standard.	
ANSWER: C	
57. In genetic alg	orithm the problem is considered in terms of
A. values.	
B. points in mu	altidimensional space.
C. node.	1
D. strings of ch	naracters.
ANSWER: D	
58. In UK,	has applied data mining techniques to analyze viewing figures. a. a press.
A. press	
B. BBC	
C. CNN	
D. NDT	

ANSWER: B

59. In K- nearest neighbor the input is translated to
A. values
B. points in multidimensional space
C. strings of characters
D. nodes
ANSWER: B
60. In machine learning phase try to find the patterns from observations.
A. observation
B. theory
C. analysis
D. prediction
ANSWER: C
so the manages of degiving high quality information from toys
761refers to the process of deriving high-quality information from text.
A. Text Mining.
B. Image Mining.
C. Database Mining.
D. Multimedia Mining.
ANSWER: A
62. The process of selecting good hypothesis and improving the theory based on this is called
A. heuristic search
B. hill climbing algorithm.
C. incremental search.
D. apriori algorithm
ANSWER: B
63 is the application of data mining techniques to discover patterns from the Web.
A. Text Mining.
B. Multimedia Mining.
C. Web Mining.
D. Link Mining.
ANSWER: C
64. It is important to know the complexity of the before developing any machine learning algorithm.
A. data
B. algorithm
C. search space
D. learning
ANSWER: C
65. Information content is closely related to and transparency.
A. algorithm.
B. search space.
C. learning.
D. statistical significance.
ANSWER: D
66. The is used to express the hypothesis describing the concept.
A. computer language.
B. algorithm.
C. definition.
D. theory ANSWER: A
ANDWEN. A
67. A definition of a concept is complete if it recognizes
A. all the information.
B. all the instances of a concept.

C. only positive examples.
D. negative examples.
ANSWER: B
68. The results of machine learning algorithms are always have to be checked for their
A. observations.
B. calculations
C. programs.
D. statistical relevance.
ANSWER: D
69. A is necessary condition for KDDs effective implement.
A. data set.
B. database.
C. data warehouse.
D. data.
ANSWER: C
70. The first international KDD conference was held in the year A. 1995.
B. 1994.
C. 1993.
D. 1992.
ANSWER: A
71. AI stands for
A. art of interest.
B. artificial interest.
C. art of intelligence.
D. artificial intelligence.
ANSWER: D
72. KDD is a
A. new technology that is use to store data.
B. multidisciplinary field of research.
<u>. </u>
C. database technology.
D. expert system. ANSWER: B
73 could generate rule automatically.
A. KDD.
B. machine learning.
C. artificial intelligence.
D. expert system.
ANSWER: B
74. Intelligent miner is a mining tool from
A. Clementine.
B. living stones.
C. IBM.
D. Wipro. ANSWER: C
75. The organization such as is in USA.
A. AT & T.
B. AD & T.
C. AA & T.
D. AT & D.
ANSWER: A

76 is a mining tool from integral solutions.
A. WEKA
B. web miner.
C. rapid miner.
D. clementine.
ANSWER: D
77 % of KDD is about preparing data. A. 60.
B. 70
C. 80
D. 90
ANSWER: C
78. The is one of the operation research techniques.
A. association rules.
B. k-nearest neighbor.
C. decision trees.
D. genetic algorithm.
ANSWER: B
79. Everything that science discovers has only value.
A. standard.
B. different.
C. same.
D. temporary.
ANSWER: D
80. A good introduction to machine learning is the idea of
A. concept learning.
B. content learning.
C. theory of falsification.
D. Poppers law.
ANSWER: A
81. The algorithms that are controlled by human during their execution is algorithm. A. unsupervised.
B. supervised.
C. batch learning.
D. incremental.
ANSWER: B
82. Background knowledge depends on the form of
A. theoretical knowledge.
B. hypothesis.
C. formulae.
D. knowledge representation.
ANSWER: D
92 Pies helps to
83. Bias helps to A. learn.
B. complete the search.C. execute the search.
D. constrain the search and utilizes KDD to analyze client files. ANSWER: D
84. A algorithm takes all the data at once and tries to create a hypothesis based on this data.
A. supervised.
B. batch learning.
C. unsupervised.

D. incremental learning. ANSWER: B
85. A algorithm takes a new piece of information at each learning cycle and tries to revise the theory using
new data.
A. supervised.
B. batch learning.
C. unsupervised.
D. incremental learning.
ANSWER: B
86. The forms the background knowledge in the inductive logic programming.
A. prolog program.
B. perl.
C. python.
D. ruby.
ANSWER: A
87. In KDD process % is about mining.
A. 40.
B. 30.
C. 20.
D. 10.
ANSWER: C
88 is used to find the vaguely known data.
A. SQL.
B. KDD.
C. Data mining.
D. Sybase.
ANSWER: C
89. A definition of a concept is if it does not classify any negative examples as falling under the concept.
A. complete.
B. consistent.
C. good.
D. bad.
ANSWER: B
90. Lot of kangaroo jumping around the country side is an example for
A. parallelism.
B. concept learning.
C. machine learning.
D. data mining.
ANSWER: A
91. The easiest way to gain access to the data and facilitate effective decision making is to set up a
A. database.
B. data mart.
C. data warehouse.
D. operational.
ANSWER: C
92. Smaller local data warehouse is called as
A. data mart.
B. database.
C. data model.
D. meta data.
ANSWER: B

A. operating the data. B. managing the data. C. decision making. D. queries. ANSWER: D
94. The data are stored in data warehouse. A. operational. B. historical. C. transactional. D. optimized. ANSWER: B
95. A decision support system is a system that A. can constantly change over time. B. cannot change. C. copies the data. D. supports the system. ANSWER: A
96. Metadata is used by the end users for A. managing database. B. structuring database. C. querying purposes. D. making decisions. ANSWER: C
97. The techniques are used to load information from operational database to data warehouse. A. reengineering. B. reverse. C. transfer. D. replication. ANSWER: D
98. The represents the best choice for building a data warehouse. A. client/server. B. database. C. bottom up. D. visualization. ANSWER: A
99. The is one of database that operates on massively parallel computer. A. sybase. B. SQL. C. postgre SQL. D. tandem. ANSWER: D
100 is more recent expert system. A. Mycin. B. Gasoil. C. BMT. D. XCONVAX. ANSWER: B
101. A is not the rule that govern the basic structure of data warehouse.A. time dependent.B. volatile.C. subject oriented.

D. integrated. ANSWER: B	
 102. The metadata that is generated at the time of building a warehouse is called A. Build time metadata. B. Usage metadata. C. Control metadata. D. structure metadata. ANSWER: A 	
103. The control metadata is used to A. design a metadata. B. administrate the metadata. C. track the sequence and timing of warehouse events. D. control the data. ANSWER: C	
 104. A data warehouse is said to contain a time-varying collection of data because A. its contents vary automatically with time. B. its lifespan is very limited. C. it contains historical data. D. its content has explicit stamp. ANSWER: C 	
 105. A data warehouse is an integrated collection of data because A. it is a collection of data of different data types. B. it is a collection of data derived from multiple sources. C. it is a relational database. D. it contains summarized data. ANSWER: B 	
106. Expert systems are A. system that contain the knowledge of specialists. B. system that can think of their own. C. system that can work. D. system that can create the knowledge. ANSWER: A	
 107 is an expert who analyzed the effect of using machine learning algorithm in setting up expert system. A. Borges. B. Popper. C. Bratko. D. Papert. ANSWER: C 	
108. The element that is not taken into consideration for cost justification for the implementation of KDD environments. A. speed. B. cost. C. complexity. D. repetition. ANSWER: B	nt
 109. A is an interactive system that enables decision makers to use database and models on a computer in order to solve ill structured problems. A. database. B. client/server. C. DSS. D. mainframe 	

ANSWER: C

110. The	is a symbolic representation of facts or ideas from which information can potentially be extracted.
A. knowledge.	
B. data.	
C. algorithm.	
D. program.	
ANSWER: B	
111 DB/2 is a fan	nily of RDBMS marketed by
A. HCL.	inly of Reputito marketed by
B. Wipro.	
C. IBM.	
D. Infosys.	
ANSWER: C	
	of interesting and useful patterns in database is called
A. knowledge.	
B. information.	
C. data.	
D. algorithm.	
ANSWER: A	
113. In data minin	g software that works on local workstation is used to
A. write coding	
B. generate scre	een and reports for the end user.
C. make decision	ons.
D. find patterns	
ANSWER: B	
A. data mart. B. operational of C. meta data. D. data cube. ANSWER: C	acts a bridge between data warehouse and database application. data.
A. drilling. B. rolling. C. dicing. D. slicing. ANSWER: D	peration is used for reducing data cube by one or more dimensions.
116. The main org	anizational justification for implementing a data warehouse is to provide
	rs of handling transportation.
B. decision sup	
	volume of data.
D. access to dat	ia.
ANSWER: C	
	s of stages.
A. four.	
B. five.	
C. six.	
D. seven.	
ANSWER: C	
118 is th	ne first stage in KDD process.
A. Data selection	
B. Cleaning.	

C. Mining. D. Enrichment.
ANSWER: A
119. The term that is not associated with data cleaning process is
A. domain consistance.
B. de-duplication.C. disambiguation.
D. segmentation.
ANSWER: D
120. In process of KDD additional information can be added to the existing data.
A. enrichment.
B. coding.
C. selecting.
D. cleaning. ANSWER: A
121 is a type of coding operation that occurs frequently in KDD context.
A. Filtering. B. Visualization.
C. Flattening.
D. Replication.
ANSWER: C
122. SQL stands for
A. simple query language.
B. structured query language.
C. strong query language.
D. simple language.
ANSWER: B
123 is one of the traditional query tool.
A. MYSQL.
B. OLAP.
C. PL/SQL. D. SQL.
ANSWER: D
124. The is a useful method of discovering patterns at the beginning of data mining process.
A. calculating distance.
B. visualization techniques.
C. decision trees.
D. association rules.
ANSWER: B
125. A/An is an object oriented 3D tool kit which enables the user to explore 3D structure.
A. inventor.
B. tandim.
C. mantis.
D. extruder. ANSWER: A
126. The field of research dedicated to the search for interesting projections of datasets are called
A. projection pursuit.
B. research pursuit.
C. projection.
D. dataset pursuit.
ANSWER: A

 127. Which of the following is correct order of empirical cycle of scientific research? A. Analysis, observation, prediction, theory. B. Analysis, prediction, theory, observation. C. Analysis, prediction, observation, theory. D. Analysis, observation, theory, prediction. ANSWER: B
 128. Data mining methodology states that in optimal situation data mining is an A. standard process. B. complete process. C. creative process. D. ongoing process. ANSWER: D
 129. The algorithm can be applied in cleaning data. A. search. B. pattern recognition. C. learning. D. clustering. ANSWER: B
 130 is the type of pollution that is difficult to trace. A. Duplication of records. B. Ambiguition. C. Lack of domain consistency. D. Lack of information. ANSWER: C
131. In coding stage of KDD process one should be conscious in A. adding the data. B. deleting the data. C. coding. D. discovering patterns. ANSWER: B
 132. The statement that is true about data mining is A. data mining is not a single technique. B. it finds the hidden patterns from data set. C. it is a real discovery process. D. all forms of pollutions are found during the data mining stage itself. ANSWER: D
133. The first step in data mining project is A. rough analysis of data set using traditional query tools. B. cleaning the data. C. recognizing the patterns. D. visualizing the patterns. ANSWER: A
134. SQL can find type of data. A. narrow data. B. multidimensional data. C. shallow data. D. hidden data. ANSWER: C
135 is used to find relationship between multidimensional data.A. K-nearest neighbor.B. Decision trees.C. Association rules.

 136. Which one of the following is not true about OLAP? A. They create no new knowledge. B. OLAP is powerful that data mining tool. C. They cannot search for new solution. D. OLAP tool store their data in special multidimensional format. ANSWER: B
137. Association rules are always defined on A. binary attribute. B. single attribute. C. relational database. D. multidimensional attribute. ANSWER: A
138. Neural network are modeled on the A. neuron. B. network. C. human brain. D. machines. ANSWER: C
139 built perceptron. A. Kohenon. B. Frank Rosenblatt. C. Minsley. D. Papert. ANSWER: B
140. The input unit of perceptron is called as A. associators. B. responders. C. neuron. D. photo receptors. ANSWER: D
 141. The intermediate layers in a back-propagation network consists of A. photo receptors. B. responders. C. hidden nodes. D. associators. ANSWER: C
 142. The area for exchange of views between biology and computer science is called as A. evolutionary programming. B. evolutionary computing. C. evolutionary strategies. D. genetic algorithm. ANSWER: B
143. Genetic algorithm is viewed as a kind of A. meta learning strategy. B. machine learning. C. evolution. D. OLAP tool. ANSWER: A
144. Theis a knowledge that can be found by using pattern recognition algorithm.

D. OLAP tools. ANSWER: D

B. The Data Warehouse consists of data marts and application data. C. The Data Warehouse is used as a source for the operational data.

D. The operational data are used as a source for the data warehouse ANSWER: D
153. How do you better define a data warehouse asA. Can be updated by end users.B. Contains numerous naming conventions and formats.C. Organized around important subject areas.D. Contains only current data.ANSWER: C
154. Which of the following is an operational system 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. ANSWER: B
155. The generic two-level data warehouse architecture includes A. at least one data mart. B. data that can extracted from numerous internal and external sources. C. near off-time updates. D. historic data. ANSWER: B
 156. Which of the following is reconciled data A. Current data intended to be the single source for all decision support systems B. Data stored in the various operational systems throughout the organization. C. Data stored in one operational system in the organization. D. Data that has been selected and formatted for end-user support applications. ANSWER: A
 157analysis divides data into groups that are meaningful, useful, or both. A. Cluster. B. Association. C. Classifiction. D. Relation. ANSWER: A
158. Which of the following is an extract processA. 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.ANSWER: B
159. Which of the following is the not a types of clustering?A. K-means.B. Hiearachical.C. Partitional.D. Splitting.ANSWER: D
160. The load and index is A. a process to upgrade the quality of data before it is moved into a data warehouse. B. a process to upgrade the quality of data after it is moved into a data warehouse. C. a process to reject data from the data warehouse and to create the necessary indexes. D. a process to load the data in the data warehouse and to create the necessary indexes. ANSWER: D
161. Data Transformation includes

 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. ANSWER: A
162. The is called a multi field transformation. A. conversion of data from one field into multiple fields. B. conversion of data from fields into field. C. conversion of data from double fields into multiple fields D. conversion of data from one field to one field. ANSWER: A
163. The type of relationship in star schema is A. many-to-many. B. one-to-one. C. one-to-many. D. many-to-one. ANSWER: C
164. Fact tables are A. completely demoralized. B. partially demoralized. C. completely normalized. D. partially normalized. ANSWER: C
 165. Which of the following table type belongs to snowflake schema A. Free. B. Dimension. C. Double. D. Replicator. ANSWER: B
166. The goal of data mining is 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. ANSWER: A
 167. Which of the following information systems are used in the daily running of the business A. Operational planning systems. B. Transaction processing systems (TPS). C. Process control systems. D. Office automation systems (OAS). ANSWER: A
 168. Which of the following is not one of the three Cs describing groupware A. Collaboration. B. Communication. C. Co-ordination. D. Compliance. ANSWER: D
169. Materials Requirements Planning (MRP) software is an example of an information systems application in which of the following areas A. Operations Management.

B. Accounting.C. Marketing.

ANSWER: B 171. Business Intelligence and data warehousing is used for which of the following A. Forecasting. B. Data Mining. C. Analysis of large volumes of product sales data. D. All of the above. ANSWER: D 172. Which of the following is true about ERP software A. Simplified support and maintenance through a supplier. B. Extensive skills available for development. C. Supplier costs kept low. D. Always adaptable to how the business works. ANSWER: A 173. Which of the following is an EIS A. Electronic information system. B. Executive information system. C. Extended information system. D. Electronic interface system. ANSWER: B 174. What is the role of document image processing (DIP) systems A. Cash flow forecasting. B. Inventory control. C. Conversion into digital format. D. Producing customer invoices. ANSWER: C 175. Which of the following uses a series of logically related two-dimensional tables or files to store information in the form of a database A. Database. B. Database management system. C. Data warehouse. D. None of the above. ANSWER: D 176. What DBMS component contains facilities to help you develop transaction-intensive applications A. DBMS engine.

170. Which of the following is not one of the three main components in a decision support system

D. Human Resource.

B. Communications.

B. Data definition subsystem.

ANSWER: C

ANSWER: B

A. File generators.

B. Query by example tool.C. Structure question language.D. Structure query language.

C. Application generation subsystem.D. Data administration subsystem.

177. Which of the following is a data manipulation tool

ANSWER: A

A. Model.

C. Data.D. Dialogue.

 178. The data administration subsystem helps you perform all of the following, except A. backups and recovery. B. query optimization. C. security management. D. create, change, and delete information. ANSWER: D
 179. Which data administration subsystem periodically backs up information contained in a database A. Concurrency control facilities. B. Reorganization facilities. C. Backup and recovery facilities. D. Security management facilities. ANSWER: C
 180. Which of the following is true of three-tier data warehouses A. Once created, the data marts will keep on being updated from the data warehouse at periodic times. B. Once created, the data marts will directly receive their new data from the operational databases. C. The data marts are different groups of tables in the data warehouse. D. A data mart becomes a data warehouse when it reaches a critical size. ANSWER: A
 181. Which of the given technology is not well-suited for data mining A. Expert system technology. B. Data visualization. C. Technology limited to specific data types such as numeric data types. D. Parallel architecture. ANSWER: C
 182. What is true about the multidimensional model A. It typically requires less disk storage. B. It typically requires more disk storage. C. Typical business queries requiring aggregate functions take more time. D. Typical business queries requiring aggregate functions take more time. ANSWER: B
183. The most common source of change data in refreshing a data warehouse is A. queryable change data. B. cooperative change data. C. logged change data. D. snapshot change data. ANSWER: A
 184. Which of the following statements is not true about refreshing a data warehouse A. It is a process of managing timing differences between the updating of data sources and the related data warehouse objects. B. Updates to dimension tables may occur at different times than the fact table. C. The data warehouse administrator has more control over the load time lag than the valid time lag. D. None of the above. ANSWER: D
185. The is responsible for running queries and reports against data warehouse tables. A. hardware. B. software. C. end users. D. middleware. ANSWER: C
186. Query tool is meant for A. data acquisition. B. information delivery.

C. information D. communicat ANSWER: A	<u> </u>
187. Which of the A. Storing data B. Transformin C. Data acquisi D. Data Access ANSWER: B	g data. ition.
188. Which of the A. STUNT. B. OPTICS. C. CLIQUE. D. Wave Cluste ANSWER: D	e following clustering analysis method uses multi resolution approach
189. Which type A. OPTICS. B. CLIQUE. C. STING. D. CLUSTER. ANSWER: A	of following clustering computes augmented cluster ordering
190. Data compre A. bytes. B. bits. C. cluster. D. group. ANSWER: C	ession is to compress the given data by encoding in terms of
	e following feature is supported by the physical design of data warehouse kup and recovery.
192. Classification A. root node. B. decision tree C. siblings. D. branches. ANSWER: B	n rules are extracted from
193. Dimensional A. relevant attr B. irrelevant at C. derived attri D. composite a ANSWER: B	tributes. butes.
A. CORBA. B. OLAP. C. COBWEB. D. STING. ANSWER: C	_is a method of incremental conceptual clustering.

195. Effect of one attribute value on a given class is independent of values of other attribute is called
A. value independence.
B. class conditional independence.
C. conditional independence.
D. unconditional
ANSWER: A
196. Which of the following are special programs that are stored on database and fired when certain predefined action
occurs
A. Snapshots.
B. Relations.
C. Triggers.
D. Cursors.
ANSWER: C
107. The refers to extracting knowledge from larger amount of data
197. The refers to extracting knowledge from larger amount of data. A. data abstraction.
B. data warehouse.
C. database.
D. data mining. ANSWER: D
198 is a knowledge discovery process.
A. Data cleaning.
B. Data warehousing.
C. Data mining.
D. Data transformation.
ANSWER: A
199. OLAP is used for
A. online application processing.
B. online analytical processing.
C. online aptitude processing.
D. online administration and processing.
ANSWER: B
200. Maintenance of cache consistency is the limitation of
A. NUMA.
B. UNAM.
C. MPP.
D. PMP.
ANSWER: C
201. Data wanshayar anakita atuwa ia kacad an
201. Data warehouse architecture is based on A. DBMS.
B. RDBMS.
C. Sybase.
D. SQL Server. ANSWER: B
ANSWER. D
202. Source data from the warehouse comes from
A. ODS.
B. TDS.
C. MDDB.
D. ORDBMS.
ANSWER: A
203. Theis a data transformation process.
A. comparison.
B. projection.

D. filtering. ANSWER: D
204. Technology area associated with CRM is
A. specialization.
B. generalization.C. personalization.
D. summarization.
ANSWER: C
ANDWER. C
205. SMP stands for
A. symmetric multiprocessor.
B. symmetric multiprogramming.
C. symmetric meta programming.
D. symmetric microprogramming.
ANSWER: A
206. Theis designed to overcome any limitations placed on the warehouse by the nature of the relational
data model.
A. operational database.
B. relational database.
C. multidimensional database.
D. data repository.
ANSWER: C
207. MDDB stands for
A. multiple data doubling.
B. multidimensional databases.
C. multiple double dimension.
D. multi-dimension doubling.
ANSWER: B
208 is data about data.
A. Metadata.
B. Microdata.
C. Minidata
D. Multidata.
ANSWER: A
209. The is an important functional component of the metadata.
A. digital directory.
B. repository.
C. information directory.
D. data dictionary.
ANSWER: C
210. EIS stands for
A. extended interface system.
B. executive interface system.
C. executive information system.
D. extendable information system.
ANSWER: C
211 is data collected from natural systems.
A. MRI scan.
B. ODS data.
C. Statistical data.
D. Historical data.

C. selection.

ANSWER: A

212. Which one of the following feature is provided by an effective data visualization tool A. Capability to update data.
B. Capability to delete or alter data.
C. Capability in append data.
D. Capability to compare data
ANSWER: D
213. The are inexpensive desktop tools designed for end users.
A. production tools.
B. report writers.
C. query tools.
D. application tools.
ANSWER: B
214is an example of application development environments.
A. Visual Basic.
B. Oracle.
C. Sybase.
D. SQL Server.
ANSWER: A
215. Which of the following is not an issue related to concept learning
A. Supervised learning.
B. Unsupervised learning.
C. Self learning.
D. Concept learning. ANSWER: D
ANSWER. D
216are some popular OLAP tools.
A. Metacube, informix.
B. Oracle express, essbase.
C. HOLAP.
D. MOLAP.
ANSWER: A
217. Capability of data mining is to build models.
A. retrospective.
B. interrogative.
C. predictive.
D. imperative. ANSWER: C
ANSWER. C
218. Theis a process of determining the preference of customers majority.
A. association.
B. preferencing.
C. segmentation. D. classification.
ANSWER: B
THIOWER. B
219. Which of the following is a process to humanize the mass of data
A. Visualizing.
B. Segmentation.
C. Discovery.
D. Correction.
ANSWER: A
220. Strategic value of data mining is
A. cost-sensitive.
B. work-sensitive.

D. technical-sensitive. ANSWER: C	
 221. Which of the following is a data store that is a subsidiary of a data warehouse of integrated of A. Data mart. B. Data store. C. Database. D. Data house. ANSWER: A 	lata
222proposed the approach for data integration issues. A. Ralph Campbell. B. Ralph Kimball. C. John Raphlin. D. James Gosling. ANSWER: B	
223. The terms equality and roll up are associated with A. OLAP. B. visualization. C. data mart. D. decision tree. ANSWER: C	
224. Exceptional reporting in data warehousing is otherwise called as A. exception. B. alerts. C. errors. D. bugs. ANSWER: B	
225 is a metadata repository. A. Prism solution directory manager. B. CORBA. C. STUNT. D. COBWEB. ANSWER: A	
226. Which year was the beginning of new generation of machine learning A. 1880. B. 1980. C. 1970. D. 1960. ANSWER: C	
227. The is an expensive process in building an expert system. A. analysis. B. study. C. design. D. information collection. ANSWER: D	
228. The full form of KDD is A. knowledge database. B. knowledge discovery in database. C. knowledge data house. D. knowledge data definition. ANSWER: C	

C. time-sensitive.

A. WEKA B. R C. RapidMiner D. KnowledgeMiner ANSWER: D
230. Removing duplicate records is a process called A. recovery. B. data cleaning. C. data cleansing. D. data pruning. ANSWER: B
231. The contains information that gives users an easy-to-understand perspective of the information stored in the data warehouse. A. business metadata. B. technical metadata. C. operational metadata. D. financial metadata. ANSWER: A
232. A/Anhelps to integrate, maintain and view the contents of the data warehousing system. A. business directory. B. information directory. C. data dictionary. D. database. ANSWER: B
233. Discovery of cross-sales opportunities are called A. segmentation. B. visualization. C. correction. D. association. ANSWER: D
 234. Data marts that incorporate data mining tools to extract sets of data is called A. independent data mart. B. dependent data marts. C. intra-entry data mart. D. inter-entry data mart. ANSWER: B
 235. Which of the following problems bog down the development of data mining projects A. Financial problem. B. Lack of technical assistance. C. Lack of long-term vision. D. Legal and privacy restrictions. ANSWER: C
236. Thecan generate programs itself, enabling it to carry out new tasks. A. automated system. B. decision making system. C. self-learning system. D. productivity system. ANSWER: D
237. The power of self-learning system lies in A. cost. B. speed.

C. accuracy. D. simplicity. ANSWER: C	
238. The human brain consists primarily of nerve cells called A. dendrites. B. neurons. C. synapse. D. perceptron. ANSWER: B	
239. Which of the following is not a decision tree node? A. Root node. B. Internal node. C. Leaf node. D. predicted node. ANSWER: D	
240 is the closeness of repeated measurements to one another. A. Precision. B. Bias. C. Accuracy. D. non-scientific. ANSWER: A	
241. Which of the following matrix consist asymmetric data? A. Sparse data matrix. B. Indentity matrix. C. Confusion matrix. D. Cross matrix. ANSWER: A	
242. A representation of data objects as columns and attributes as rows is called A. matrix. B. data matrix. C. table. D. file. ANSWER: B	
243. Which of the following is not a data mining attribute? A. nominal. B. ordinal. C. interval. D. multiple. ANSWER: D	
244. Patterns of machine-language program are A. definitive theories. B. hypothesis. C. not-definitive theories. D. quantitative. ANSWER: B	
245. Nominal and ordinal attributes are collectively referred to as attributes. A. qualitative. B. perfect. C. consistent. D. optimized. ANSWER: A	

246. A data set car	n often be viewed as a collection of
A. data mart.	
B. data.	
C. data object.	
D. template.	
ANSWER: C	
ANSWER: C	
247 An image automat	alament in machine learning is
-	element in machine learning is
A. flow.	
B. knowledge.	
C. observation.	
D. language.	
ANSWER: C	
248. Which of the	following is the data mining tool?
A. C.	
B. Weka.	
C. C++.	
D. VB.	
ANSWER: B	
249.	is used for discrete target variable.
A. Nominal.	
B. Classification	1
C. Clustering.	••
D. Association.	
ANSWER: B	
ANSWER. D	
250. Data mining i	s an integral part of
A. SE.	s an integral part of
B. DBMS.	
C. KDD.	
D. OS.	
ANSWER: C	