

Name:

1	In any decision tree the tests are stored	A in decision nodes	B in leaves	C in the root	D nowhere
2	Given is the following set of transactions: $\{\{a,d,c\},\{a,d,b\},\{b,a\},\{a,c,d\},\{a,d\}\}$. The support of the set $A=\{a,b\}$ is	A 0.2	B 0.4	C 0.6	D 0.8
3	Given is the following set of sequences of transactions: $(\{3,1\},\{2,4\}), (\{1,3\}, \{4,2\}), (\{1,2\}, \{2,3\}, \{4,2\})$. The minimum support is 0.6. Frequent is the following sequence:	A none of them	B $(\{2,4\},\{3\})$	C $(\{2\},\{4\})$	D $(\{1,3\},\{2,4\})$
4	The set L_1 was not found in the Forward Phase of Apriori Some Algorithm.	A It is possible	B It is impossible	C	D
5	A sequential pattern is	A a list of sets of items	B a list of items	C a list of sequences	D one itemset
6	At each step of Agglomerative clustering the number of clusters	A is the same	B increases by 1	C decreases by 1	D is equal to 2
7	In the k-means algorithm each new object is assigned to the	A furthest cluster	B largest cluster	C nearest cluster	D smallest cluster
8	If the gain of information is equal to 1 and expected entropy of the test is equal to 4 then the expected information is equal to	A 2	B 5	C -2	D 4
9	The k-means algorithm stops when	A the computer feels that the user is sleepy	B centers of clusters don't change their positions	C the user destroys the computer	D the number of clusters is less than k
10	In any decision tree the decisions are stored	A in decision nodes	B in leaves	C in the root	D nowhere
11	In the Apriori algorithm, if the set L_3 is empty then the set	A L_2 was also empty	B C_3 was also empty	C L_3 was also empty	D C_4 will be also empty
12	In decision trees each decision node corresponds to one	A test	B decision	C case	D leaf
13	In DataMining: a cluster is	A a place where stamps are stored	B a group of attributes	C a group of cases	D a place where live priests
14	In the 2-means algorithm, the final number of clusters	A is 1	B is 2	C is 7	D is equal to the number of cases
15	During the construction of a decision tree in any decision node is chosen the test with the	A minimal number of outcomes	B maximal number of outcomes	C maximal expected entropy	D minimal expected entropy
16	In the Partitioned Tree Construction Approach, at each step, if the number of processors is smaller than the number of leaves then each processor is assigned to	A exactly one leaf	B exactly one decision node	C a group of leaves	D exactly one case of the dataset
17	The first name of the Data Mining lecturer is	A Konstanty	B James	C Krzysztof	D Hermenegilda
18	The set of large 1-sequences is always calculated	A only in Apriori All	B only in Apriori Some	C in both Apriori algorithms	D in none of them
19	If the matrix of distances between cases in a cluster is given then the clustroid is that case that corresponds to	A the row with the minimal sum	B the row with the maximal sum	C the row containing the smallest number in the matrix	D the row containing the greatest number in the matrix
20	The Divisive Clustering starts with	A 1 cluster	B 2 clusters	C more than 2 clusters	D 0 clusters

1	A	X	B		C		D	
2	A		B	X	C		D	
3	A		B		C		D	X
4	A		B	X	C		D	
5	A	X	B		C		D	
6	A		B		C	X	D	
7	A		B		C	X	D	
8	A		B	X	C		D	
9	A		B	X	C		D	
10	A		B	X	C		D	
11	A		B		C		D	X
12	A	X	B		C		D	
13	A		B		C	X	D	
14	A		B	X	C		D	
15	A		B		C		D	X
16	A		B		C	X	D	
17	A		B		C	X	D	
18	A		B		C	X	D	
19	A	X	B		C		D	
20	A	X	B		C		D	