

# survival8

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### BITS WILP Advanced Data Mining Quiz-1 2018-H1

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#### Question 1

Partition Based Algorithm for frequent pattern mining

Select one:

- ☐ a. Assumes that globally frequent item-set may not dominate locally at some partitions
- ☒ b. Assumes that globally frequent item-set may dominate locally at some partitions
- ☐ c. All of the above
- ☐ d. Need multiple scans of the database.

#### Feedback

The correct answer is: Assumes that globally frequent item-set may dominate locally at some partitions

#### Question 2

Why does the data used in data mining process could be a different version of the original one

Select one:

- ☒ a. Modified version may be better suited to the knowledge discovery
- ☐ b. Original data is hard to get and store
- ☐ c. Some of the portion of the data may be stale and may not be in usable form
- ☐ d. None of the above

#### Feedback

The correct answer is: Modified version may be better suited to the knowledge discovery

#### Question 3

Incremental Association Rule Mining

Select one:

- ☐ a. Attempts to update the previously obtained result in constant time
- ☐ b. Attempts to obtain mining result in the time proportional to the changes in database
- ☐ c. Attempts to update the previously obtained result in time proportional to database size
- ☒ d. Attempts to update the previously obtained result in time proportional to changes in database

#### Feedback

The correct answer is: Attempts to update the previously obtained result in time proportional to changes in database

#### Question 4

Association rules mining

Select one:

- ☐ a. Mainly focuses research on association rule generation from frequent sets
- ☐ b. Tries to do a predictive analysis
- ☐ c. Mainly involves sequence discovery
- ☒ d. Mainly focuses on frequent item set generation

#### Feedback

The correct answer is: Mainly focuses on frequent item set generation

#### Question 5

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Data Mining is

Select one:

- ☐ a. Used for advance data processing.
- ☐ b. Used to extracting information from data.
- ☒ c. Used as a tool for KDD
- ☐ d. Used to discover schema of a data.

**Feedback**

The correct answer is: Used as a tool for KDD

### Question 6

Fast update 2 algorithm is

Select one:

- ☐ a. An incremental algorithm that can handle insertions in database
- ☒ b. An incremental algorithm that improves FUP by handling deletion
- ☐ c. An algorithm that never needs a rescan of the complete database.
- ☐ d. None of the above

**Feedback**

The correct answer is: An incremental algorithm that improves FUP by handling deletion

### Question 7

Difference between noise and error in data

Select one:

- ☐ a. There is no difference
- ☐ b. Error can not be avoided
- ☒ c. Noise can not be avoided
- ☐ d. Noise and error both could be avoided

**Feedback**

The correct answer is: Noise can not be avoided

### Question 8

How can "algorithm" improves the data mining

Select one:

- ☐ a. None of the above
- ☒ b. Algorithm gives use handle on its complexity that can used to improve the efficiency of the data mining
- ☐ c. Algorithm helps us to gather better data
- ☐ d. Algorithm can specify step by step procedure for knowledge discovery

**Feedback**

The correct answer is: Algorithm gives use handle on its complexity that can used to improve the efficiency of the data mining

### Question 9

Find support for association rule  $X \Rightarrow Z$  in following database

{A,B,Z}  
{X,Y,Z}  
{A,X,Z}  
{B,X,Y}  
{X,A,Z}  
{Y,A,X}  
{Y,B,Z}

Select one:

- ☐ a. 5/7
- ☐ b. 4/7
- ☒ c. 3/7
- ☐ d. None of above
- ☐ e. 1/2

**Feedback**

The correct answer is: 3/7

### Question 10

Consider Hash Based Algorithm for frequent pattern mining

Select one:

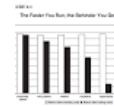
- ☐ a. The algorithm is not scalable
- ☒ b. It reduces effective rescan of the database
- ☐ c. None of above
- ☐ d. Choice of hash function is fixed and can not be changed

**Feedback**

The correct answer is: It reduces effective rescan of the database

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