



COMP4433 Mock Quiz (Non-sequential ARM)



Deadline to submit your answers: 3:30pm 19 Sept 2023

Hi, Fu Lai Korris. When you submit this form, the owner will see your name and email address.

1. Which of the following about item and itemset is true? (Pick the best answer)  



- ☐ a frequent itemset contains 1 frequent item only
- ☒ frequent 3-itemset $\{B, G, R\}$ contains 3 frequent items
- ☐ frequent 4-itemset $\{B, G, R, Z\}$ contains 14 frequent k-itemsets for $k=1$ to 4
- ☐ All of the above
- ☐ None of the above

Frequent 3-itemset $\{B, G, R\}$ has the following frequent itemsets.
1-itemsets: $\{B\}$, $\{G\}$ and $\{R\}$.
2-itemsets: $\{B, G\}$, $\{B, R\}$ and $\{G, R\}$.
3-itemsets: $\{B, G, R\}$

2. Which of the following statement is true? (Pick the best answer)  

- ☐ a candidate 4-itemset $\{B F K C\}$ is valid when $\{B F K\}$, $\{F K C\}$ and $\{B K C\}$ are frequent
- ☐ a candidate 4-itemset $\{B F K C\}$ is frequent when $\{B F K\}$, $\{F K C\}$ and $\{B K C\}$ are frequent
- ☒ a frequent 4-itemset $\{B F K C\}$ may generate 14 associate rules
- ☐ None of the above

The non-empty subsets of $\{B F K C\}$ for LHS includes:
4 1-itemsets
6 2-itemsets
4 3-itemsets
Altogether 14 rules.

3. Which of the following candidate k-itemset can be generated by frequent (k-1)-itemsets $\{Z P A\}$ and $\{P A X\}$? (Pick the best answer)  

- ☐ $\{A P Z X\}$ if $\{A X Z\}$ is also frequent
- ☐ $\{Z P A X\}$ if $\{P X Z\}$ is also frequent
- ☐ All of the above
- ☒ None of the above

$\{A P X Z\}$ if both $\{A X Z\}$ and $\{P X Z\}$ are also frequent. So, none of the above.

Some statistics for your reference:

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93

Responses


35:45

Average time to complete

Active

Status

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1. Which of the following about item and itemset is true? (Pick the best answer)

[More Details](#)

- ☐ a frequent itemset contains 1 fr... 3
- ☐ frequent 3-itemset {B, G, R} cont... 26
- ☐ frequent 4-itemset {B, G, R, Z} c... 13
- ☐ All of the above 30
- ☐ None of the above 21



2. Which of the following statement is true? (Pick the best answer)

[More Details](#)

- ☐ a candidate 4-itemset {B F K C} i... 30
- ☐ a candidate 4-itemset {B F K C} i... 25
- ☐ a frequent 4-itemset {B F K C} m... 25
- ☐ None of the above 12



3. Which of the following candidate k-itemset can be generated by frequent (k-1)-itemsets {Z P A} and {P A X}? (Pick the best answer)

[More Details](#)

- ☐ {A P Z X} if {A X Z} is also frequent 7
- ☐ {Z P A X} if {P X Z} is also frequent 14
- ☐ All of the above 39
- ☐ None of the above 33

