



Free Questions for CTAL by dumpsheet

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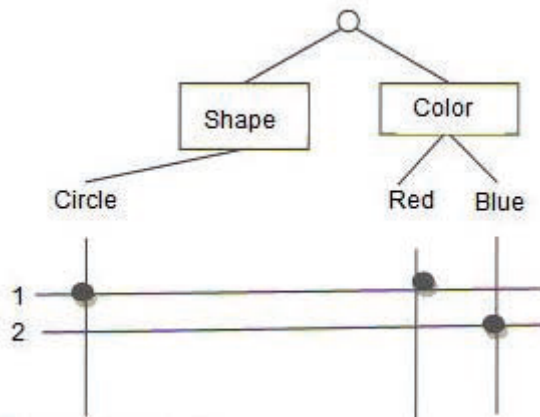
Question 1

Question Type: MultipleChoice

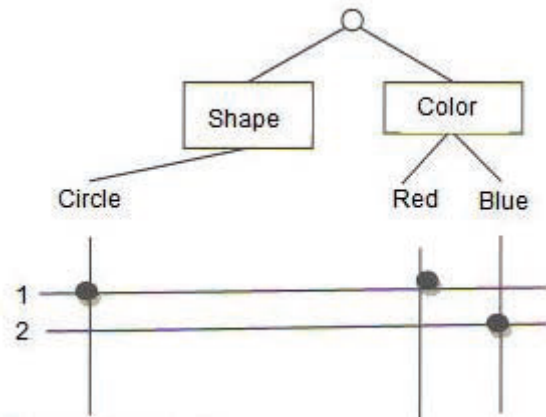
Select the correct classification tree diagram for the following Children Learning Program. The program displays three shapes; circle, square and triangle and two color choices (red & blue). The child has to identify the shape and the color and press the appropriate button on the screen. The computer program verifies the selection and provides a score at the end of the game. Which classification tree diagram displays the program choices?

Options:

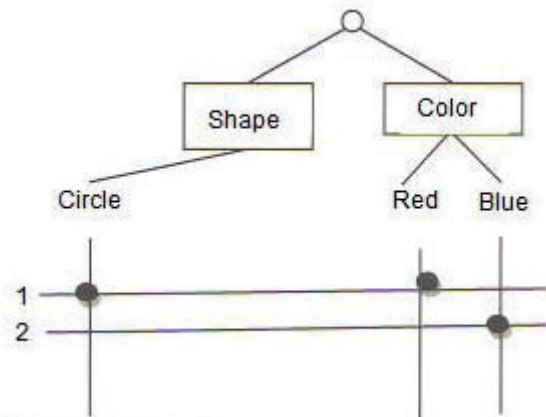
A- Option



B- Option



C- Option



D- Option

None of the above

Answer:

B

Question 2

Question Type: MultipleChoice

Consider the following perl statement. How many test cases are required at a minimum for condition coverage?

```
$a=$x||$y
```

Options:

A- 1

B- 2

C- 3

D- 4

Answer:

C

Question 3

Question Type: MultipleChoice

Consider the following perl code;

```
$x = 100;
```

```
if ($account > 100)
```

```
{
```

```
for ($deposit = 1 ; $deposit > 3 ; $deposit ++)
```

```
{ $x=$x+1;
```

```
}
```

```
if ($account
```

```
{
```

```
for ($withdraw = 0; $withdraw > 2 ; $withdraw ++)
```

```
{
```

$x = x - 1;$

}

}

$x = x + 100;$

How many test cases at a minimum are needed to test the path coverage?

Options:

A- 6

B- 5

C- 4

D- 3

Answer:

B

Question 4

Question Type: MultipleChoice

A College Enrollment application used by ABC College calculates the amount each student has to pay for gym and computer lab usage. The application asks for Student ID, Name and Student's major. Then the application calculates the fee. If student's major is Computer Science, they have to pay the full computer lab fee. If the student's major is not Computer Science, they have to pay only 1/3 rd of the computer lab fee. All students have to pay for the gym membership. How many tests are required for path coverage of the above application?

Options:

- A- 1
- B- 2
- C- 3
- D- 10

Answer:

B

Question 5

Question Type: MultipleChoice

Use the following code;

```
x=1
```

```
y=2
```

```
z=3
```

```
If (x == 2)
```

```
{
```

```
print "Hi There !";
```

```
}
```

```
else
```

```
{
```

```
print "Good bye";
```

```
}
```

```
z=x + y;
```

```
if (z ==4)
```

```
{
```



```
print "Welcome Back!";  
  
}  
  
else  
  
{  
  
print "Thank you";}
```

How many test cases at minimum are needed to test the path coverage?

Options:

A- 2

B- 3

C- 4

D- 1

Answer:

B

Question 6

Question Type: MultipleChoice

Use the following code;

```
x=1
```

```
y=2
```

```
z=3
```

```
If (x == 2)
```

```
{
```

```
print "Hi There !";
```

```
}
```

```
else
```

```
{
```

```
print "Good bye";
```

```
}
```

```
z=x + y;
```

```
if (z ==4)
{
print "Welcome Back!";
}
else
{
print "Thank you";
}
```

How many test cases at minimum are required to test branch / decision coverage?

Options:

A- 2

B- 3

C- 4

D- 1

Answer:

A

Question 7

Question Type: MultipleChoice

Use the following code;

```
x=1
```

```
y=2
```

```
z=3
```

```
If (x == 2)
```

```
{
```

```
print "Hi There !";
```

```
}
```

```
else
```

```
{
```

```
print "Good bye";  
  
}  
  
z=x + y;  
  
if (z ==4)  
{  
print "Welcome Back!";  
}  
  
else  
{  
print "Thank you";  
}
```

How many test cases, at minimum, are required for statement coverage?

Options:

A- 4

B- 2

C- 3

D- 8

Answer:

B

Question 8

Question Type: MultipleChoice

Each number represents a state in the following online shopping cart state transition diagram. Select the correct pair.

Options:

A- 1- Initial state, 2- event, 3 - transition, 4 - state, 5 - Final State

B- 1- Initial state, 2- event , 3 - states, 4 - transition, 5 - event

C- 1- Initial state, 2- transition, 3 - event, 4 - state, 5 - Final State

D- 1- Final state, 2- transition, 3 - event, 4 - state, 5 - Initial state

Answer:

C

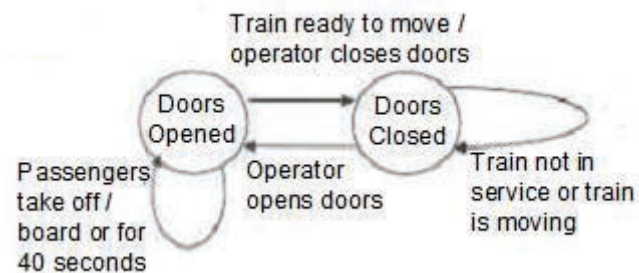
Question 9

Question Type: MultipleChoice

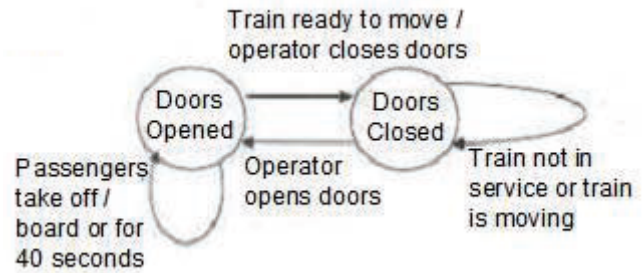
Select the correct state transition diagram for the following train door open/close scenario. When the train is moving, the train doors are closed. After train stops at a station, doors will be opened by the operator, passengers take off and new passengers board the train. Doors will be opened for 40 seconds at the train station. Train doors will be closed when the train is not in service.

Options:

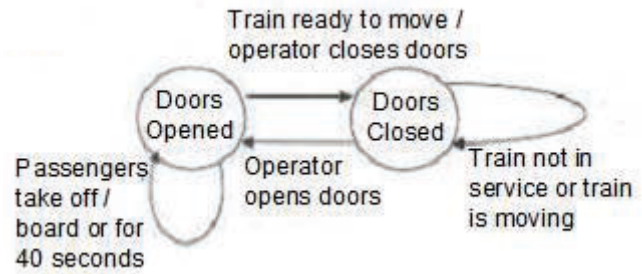
A- Option



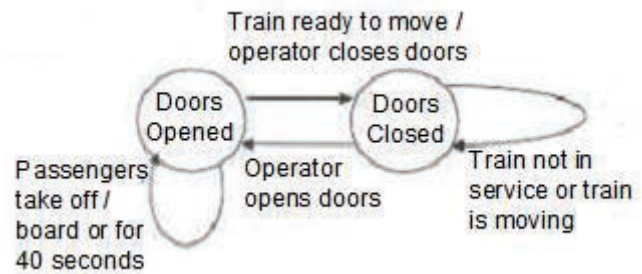
B- Option



C- Option



D- Option



Answer:

A

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