Unit 9 - Week 7

Assignment 7

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-18, 23:59 IST.

1) Which of the following is a list of functional testing techniques? *1 point*

- Equivalence partitioning, usability testing, decision coverage
- Equivalence partitioning, performance testing, usability testing
- Equivalence partitioning, decision tables, random testing
- Equivalence partitioning, decision coverage, loop coverage

No, the answer is incorrect.
Score: 0
Accepted Answers:
Equivalence partitioning, decision tables, random testing

2) Which of the following is true about equivalence partitioning tests? *1 point*

- Tests have to be disjoint and span the entire input domain
- Tests have to be disjoint, need not span the input domain
- Tests need not be disjoint, but need to span the input domain
- Tests have to be from different equivalence classes

No, the answer is incorrect.
Score: 0
Accepted Answers:
Tests have to be disjoint and span the entire input domain

3) If the program under test has n parameters $q_1, q_2, \ldots, q_n$, and each parameter q_i has B_i blocks, then, how many values will be there in a test suite for Each Choice Coverage (ECC)? *1 point*

- Atleast $\Pi_{i=1}^{n} B_i$, B_i values
- Atleast n values
- Atleast $Max_{i=1}^{n} B_i$ values
- Atleast $\sum_{i=1}^{n} B_i$ values

No, the answer is incorrect.
Score: 0
Accepted Answers:
Atleast $Max_{i=1}^{n} B_i$ values

4) Which of the criteria, in comparison with the other, is believed to be more useful for testing based on input space partitioning? *1 point*

- Pair-wise coverage is more useful than base choice coverage
- T-wise coverage is more useful than pair-wise coverage
- Base choice coverage is more useful than T-wise coverage
- All combinations coverage is more useful than T-wise coverage

No, the answer is incorrect.
Score: 0
Accepted Answers:
Base choice coverage is more useful than T-wise coverage

5) Which of the following is a correct order of subsumption among coverage criteria for input space partitioning? In the options below, read → as "subsumes" *1 point*

- T-wise coverage → base choice coverage
- T-wise coverage → all combinations coverage
- Pair-wise coverage → base choice coverage
- Pair-wise coverage → each choice coverage

No, the answer is incorrect.
Score: 0
Accepted Answers:
Pair-wise coverage → each choice coverage

For the next five questions, consider a function called **`NextDate`** which takes as input a valid date in mm/dd/yyyy format and computes the date of the next day. For example, given 06/14/1996, the **`NextDate`** function will return 06/15/1996 and when given 02/28/2019, the **`NextDate`** function will return 03/01/2019. Answer the following questions regarding input space partitioning test cases for the **`NextDate`** function

6) What are the variables involved in the **`NextDate`** function input? *1 point*

- Month, day and year
- Date containing month, day and year
- Today's date
- Range of dates

No, the answer is incorrect.
Score: 0
Accepted Answers:
Date containing month, day and year

7) Which of the following are valid partitions for day, as a part of the input to **`NextDate`** function? *1 point*

- Only one partition: 1 ≤ day ≤ 31
- Two partitions: (1) day > 1 and (2) 30 ≤ day ≤ 31
- Three partitions: (1) 1 ≤ day ≤ 29, (2) day = 30 and (3) day = 31
- Four partitions: (1) 1 ≤ day ≤ 28, (2) day = 29, (3) day = 30 and (4) day = 31

No, the answer is incorrect.
Score: 0
Accepted Answers:
Four partitions: (1) 1 ≤ day ≤ 28, (2) day = 29, (3) day = 30 and (4) day = 31

8) State true or false: The partition (1){month: month has 30 days}, (2){month: month has 31 days}, (3){month: month is February} is a valid partition for month as a part of input to **`NextDate`** function? *1 point*

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
True

9) Which of the following represents valid partition for year as a part of input to **`NextDate`** function? *1 point*

- Two partitions: Year is a common year, Year is a leap year
- Three partitions: Year is a common year, Year is a leap year, Year is 2000

No, the answer is incorrect.
Score: 0
Accepted Answers:
Three partitions: Year is a common year, Year is a leap year, Year is 2000

10)The test case 6/31/2012 for the **`NextDate`** function is a test case representing which category of functional testing? *1 point*

- Equivalence partitioning
- Boundary value testing
- Invalid testing
- Value testing

No, the answer is incorrect.
Score: 0
Accepted Answers:
Boundary value testing