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**Question: 1**

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What is the value of statement coverage achieved by test case 1 from test set A? 2 credits [K3]

- A. ? 75% (21/28)
- B. ? 78% (22/28)
- C. ? 85% (24/28)
- D. ? 90% (25/28)

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**Answer: A**

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**Question: 2**

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Which additional set of test cases is needed to achieve both 100% statement coverage and 100% decision coverage? 3 credits [K3]

A.

Price	Quantity	Bonus	Market
4.0	110	1	UK
1.0	3	4	NL

B.

Price	Quantity	Bonus	Market
1.2	2000	10	USA
3.0	110	20	UK

C.

Price	Quantity	Bonus	Market
2.0	5000	3	NL
3.0	500	3	USA

D.

Price	Quantity	Bonus	Market
5.0	1100	1	USA
1.0	1	1	USA

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**Answer: C**

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**Question: 3**

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Which TWO additional structure-based test design techniques could be used to dynamically test the code? 1 credit [K2]

- A. Condition testing
- B. Multiple condition testing
- C. Equivalence partitioning
- D. Cause/effect graphing
- E. Code reviews

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**Answer: A,B**

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**Question: 4**

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How many test cases are needed to test code fragment lines 26 – 32 to achieve 100% condition determination coverage? 2 credits [K3]

- A. 2
- B. 3
- C. 4
- D. 5

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**Answer: B**

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**Question: 5**

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The application of multiple condition testing is also being considered. Which specification-based technique is largely based on the principle of multiple condition testing? 1 credit [K2]

- A. Equivalence Partitioning
- B. State Transition Testing
- C. Decision Table Testing
- D. Use Cases

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**Answer: C**

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**Question: 6**

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How many test cases are needed to test code fragment lines 26 – 32 to achieve 100% multiple condition coverage? 2 credits [K3]

- A. 2
- B. 3
- C. 4
- D. 8

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**Answer: D**

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