General

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(Non-Scenario) Conventional MC (Type A) Question Description part

ID	*LO-4.6.1_Q1_K2*

Question (stem)	A bank application determines the creditworthiness of customers. The application uses a set of rules to determine the upper limit of the credit amount. Which of the following black-box test design techniques is best for testing the application?
Correct Answer	**A**. Decision table testing
Distracters	**B**. State transition testing
	C. Use case testing
	D. Equivalence partitioning
Justification for Correct Answer	This is a best answer question that requires the ability to recognize a specific characteristic of a test design technique in context. A is correct because decision tables cover “logical conditions”, actions and rules. Wrong is in B: context does not highlight the aspect of state changes. Wrong is in C: context does not highlight the aspect of use cases. Wrong is in D context does not highlight the aspect of building equivalence classes. When testing this application in reality all the techniques in the distracters do apply, but A is best.
Partial Scoring	No
Syllabus Ref.	Reference *4.3 and 4.6*
Learning Objective	LO-4.6.1 Classify test design techniques according to their fitness to a given context, for the test basis, respective models and software characteristics. (K2)
K-Level	☒ K2, *Understand* ☐ K3, *Apply* ☐ K4, *Analyze*
Reviewer Response	