Question 1

Assume you are managing the system testing execution phase of a project.

The system test execution period for that project is scheduled for eighteen weeks and the release date is scheduled at the end of system testing.

During the sixth week of system test execution, at the staff meeting, the project manager informs you that the project deadlines are changed and the release date that is only three weeks ahead.

This new release will not allow the completion of the system tests. Suppose also that you have followed a risk-driven test approach for this project.

Which of the following statements represents the worst way to lead your test team in the next three weeks?

Number of correct responses: 1

Options:

A- Neglect your management activities and work side-by-side with your test team executing tests

B- Considering the executed tests, you should reduce the test coverage back on the risk analysis and adjust downward the priority of the associated risk items

C- Convince all the people of your test team that each of them is an important and needed member, and that their contribution is

fundamental to the success of the team

D- Favor and encourage a proactive attitude where people ask for new tasks as soon as they finish their current tasks

Answer:

A

Question 2

Question Type: MultipleChoice

You are using this skills assessment spreadsheet in order to define a training development plan for your test team.

Your objective is to fill the skill gaps by having at least a team member rated as an expert for each skill identified for the "technical expertise" and "testing skills" sections, and with the ability to train the other team members.

Considering the budget constraints you can send only one person to a training course.

Skills	Alex	Robert	John	Mark
Technical Expertise				
Programming - C / VB	E	E	E	NI
Programming - C++, Java	E	E	B	NI
Shell Scripting	E	E	B	NI
Testing Skills				
Test Planning	B	B	E	E
Test Design - Black Box	E	E	E	B
Test Design - White Box	E	E	NI	NI
Test Automation	E	E	E	NI
Performance Testing - Scripting	W	W	NI	NI
Performance Testing - Execution	W	W	NI	NI
Test Status Reporting and Metrics	E	E	E	E
Professionalism				
Test Team Building/Cross-Training	H	L	H	H
Oral Communication	H	M	M	M

Based only on the given information, which of the following answers would you expect to be the best option to achieve your objective?

Number of correct responses: 1

Options:

A- Send Robert to a performance testing training course

B- Send Alex to a performance testing training course

C- Send John to a performance testing training course

D- Send Mark to a test automation training course

Answer:

B

Question 3

Question Type: **MultipleChoice**

Your test team consists of four members (Mary, Bob, Mark, Dave) with different interpersonal skills.

The following skills assessment spreadsheet shows the characteristics of the team members with respect to a list of interpersonal-skills (for each characteristic only the member with the highest level of that characteristic is indicated and marked with 'X'):

Interpersonal Skill	Mary	Bob	Mark	Dave
Individualistic		X		
Unorthodox		X		
Brilliant, creative, strong intellectual power		X		
Disciplined, dutiful	X			
Hard Working	X			
Communicative	X			
Polite	X			
Collaborative	X			
Dynamic				X
Open-minded				X
Result-oriented				X
Fights idleness and inefficiency, exerts pressure				X
Single-minded			X	
Self-starting			X	
Dedicated and uncommunicative			X	

On the next project a member of your test team will have to perform some routine tasks requiring collaboration with other teams.

Who in your test team would you expect to be most suitable at doing these tasks?

Number of correct responses: 1

A- Mary

B- Bob

C- Mark

D- Dave

Answer:

A

Question 4

Question Type: **MultipleChoice**

Consider the following analysis of testing skills performed on four people: Alex, Robert, John and Mark (all the skills have been rated on an ascending scale: The higher the score, the better the skill):

Testing Skills	Alex	Roberta	John	Mark
Planning				
Estimation and Cost of Quality	3	2	2	5
Documentation	3	3	2	5
Quality Risk Analysis/ Management	2	3	2	5
Design/Development				
Behavioral (Black-Box)	3	5	2	2
Structural (White-Box)	3	5	3	1
Static (Reviews and Analysis)	3	4	3	2
Test Automation				
COTS Execution Tools	5	2	4	3
COTS Test Management	5	2	4	3
Test Data Generators	5	2	4	3
Execution				
Manual (Scripted and Dynamic)	3	3	4	3
Automated	3	3	4	3
Test Status Reporting and Metrics	2	4	4	3
Average Testing Skills	3,36	3,17	3,17	3,15

Which of these people, based on this analysis, would you expect to be most suitable to work specifically as test designer?

Number of correct responses: 1

Options:

A- Alex

B- Roberta

C- John

D- Mark

Answer:

B

Question 5

Question Type: **MultipleChoice**

In your organization the following tools of the same vendor are currently in use: a requirements management tool, a test management tool and a bug tracking tool.

You are the Test Manager.

You are currently evaluating a test automation tool of the same vendor (to complete the vendor's tool suite) against an interesting open-source test automation tool under the GNU GPL (General Public License).

There are no initial costs associated to that open-source tool.

Which of the following statements associated to the selection of the open-source tool is correct in this scenario?

Number of correct responses: 1

Options:

A- The open-source tool can be modified but only if the community of developers of that tool gives you the formal permission to modify it

B- There are no initial costs for the open-source tool but you should carefully consider the costs associated to the integration with the existing tools and also evaluate the recurring costs

C- There are no initial costs for the open-source tool because open-source tools are usually low-quality, while vendor tools have always a better quality than the corresponding open-source tools

D- The open-source tool can be modified but it can't be distributed further in any way

Answer:

B

Question 6

Consider a defect report and assume that a part of its lifecycle includes the following states:

New: Is the initial state

Working: Means that the developers are addressing the defect in order to produce a fix for the defect

Clarification: Means that the developers need more information from the tester to address the defect and produce a fix for the defect and the tester is working to provide this information to the developers

Verification: Means that a fix for the defect has been produced and the tester is running the adequate tests to verify whether the fix solves the defect

Closed: is the final state

Which of the following answers represents an invalid sequence of states that can't lead the bug report to the "Closed" state?

Number of correct responses: 1

Options:

A- New, Working, Verification, Working, Clarification, Working, Verification, Closed

B- New, Working, Clarification, Working, Verification, Closed

C- New, Working, Verification, Working, Clarification, Working, Closed

D- New, Working, Verification, Closed

Answer:

C

Question 7

During the system testing phase a tester from your test team observes a failure in the system under test and he/she decides to create an incident report. The incident report is currently in a "new" state, indicating it needs to be investigated.

Which THREE of the following information items can't yet be present in the incident report?

Number of correct responses: 3

(2 credits out of 3 credits correct, 1 credit point)

Options:

A- The type of defect that caused the failure

B- The actual and the expected result highlighting the failure

C- The lifecycle phase in which the defect has been introduced

D- What really caused the failure (actual cause)

E- Steps to reproduce the failure, including screenshots, database dumps and logs where applicable
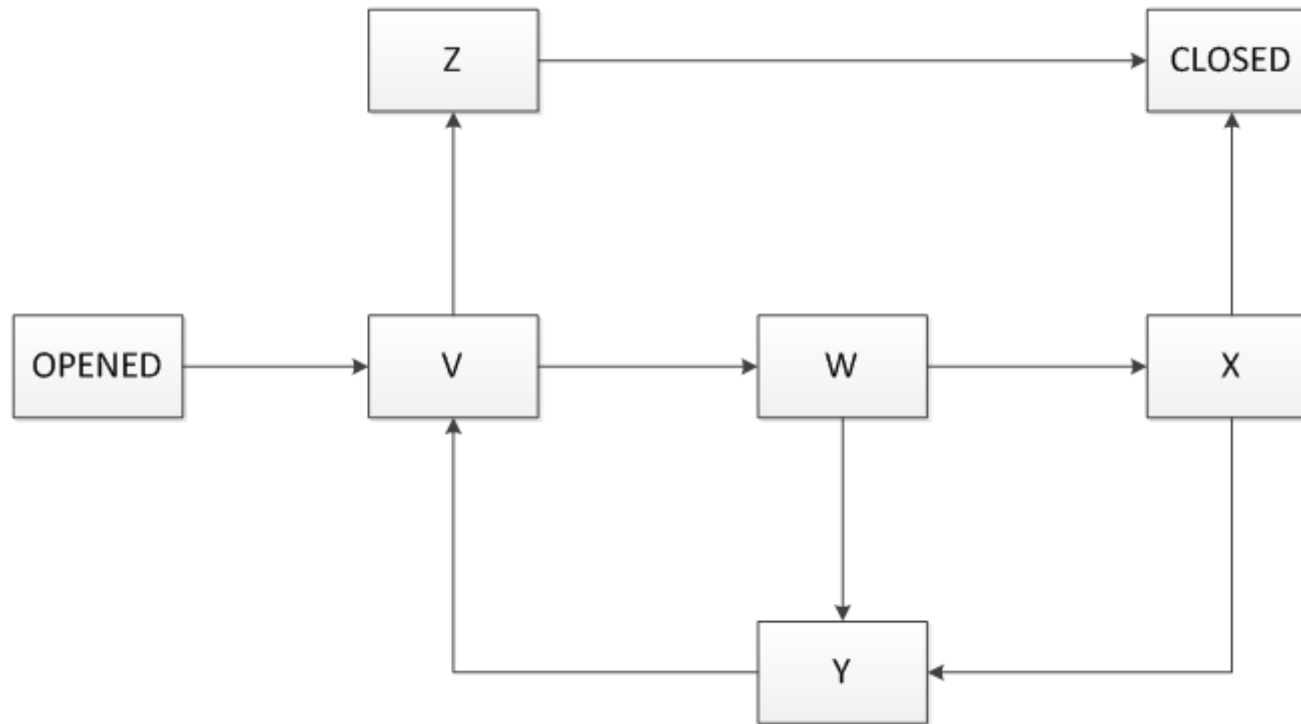
Answer:

A, C, D

Question 8

Question Type: MultipleChoice

Assume you are working on a defect management process to be used by a software organization to track the current status of the defects reports for several projects.

When a defect is found for investigation a defect report is created in "Opened" state that is the unique initial state. The defect report status has also a unique finale state that is the "Closed" state.

The following state transition diagram describes the states of this defect management process:

where only the initial ("Opened") and final ("Closed") states are indicated while the remaining states (V, W, X, Y, Z) have yet to be named.

Which of the following assignments would you expect to best complete the defect management process?

Number of correct responses: 1

Options:

A- V=Rejected , W=Corrected , X=Validated, Y=Re-Opened, Z=Assigned

B- V=Assigned, W=Validated , X=Corrected, Y=Re-Opened, Z=Rejected

C- V=Assigned, W=Corrected , X=Validated, Y=Re-Opened, Z=Rejected

D- V= Corrected, W=Assigned, X=Validated, Y=Corrected, Z=Rejected

Answer:

C

Question 9

Question Type: **MultipleChoice**

During the follow-up phase the following conditions are checked:

X1. The code has been completely reviewed

X2. All the identified defects have been correctly fixed and the modified code has been compiled successfully and run through all the static analyzers used by the project without warnings and errors

X3. The modified code is available under the configuration management system with a new version number for the specified CI

If these conditions are fulfilled then the review process terminates.

Which of the following characteristics of a formal review is missing in this description?

Number of correct responses: 1

Options:

A- Defined entry and exit criteria

B- Checklists to be used by the reviewers

C- Deliverables such as reports, evaluation sheets or other review summary sheets

D- Metrics for reporting on the review effectiveness, efficiency, and progress

Answer:

D