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Question: 1

According to ISTQB syllabus, systems of systems;

- I . Contain interconnected hardware, software applications and communications.
- II . Include big bang merging of independent collaborating systems to avoid creating the entire system from scratch.
- III . Can be less reliable than individual systems
- IV . Characteristics include; long duration of projects, version management and regression tests at systems of systems level.

- A. I, II and IV are true.
- B. I, II are true and III is false.
- C. I, III, and IV are true, II is false.
- D. II,III and IV are true, I is false.

Answer: C

Question: 2

Select the correct statement;

- A. Testing processes are interconnected and related to activities like requirements engineering, software development, etc.
- B. Testing tasks cannot be concurrent.
- C. Requirements engineering and software testing are two isolated activities.
- D. Testing activities / processes do not have to be aligned to the chosen software development lifecycle model.

Answer: A

Question: 3

Which of the following statements are false?

- I . Test execution starts when the system entry criteria are met (or waived) and test execution ends when exit criteria are met.
- II . System test environment creation might start during system design in V-model III. Long term prospects needs to be considered when selecting test process or tools. IV. Daily/weekly scrum meetings are part of agile testing method.

- A. I and II and false.
- B. II, III and IV are false
- C. I, II, III are false
- D. None of them are false

Answer: D

Question: 4

System test closure activities occur;

- I . After system exit criteria are met.
- II . After acceptance testing is over.
- III . After all project activities are finished.
- IV . After the execution of all test cases.

- A. I,II and IV are true
- B. II and IV are true
- C. I,II, III are true
- D. All of them are true

Answer: C

Question: 5

Which of the following statements are true?

- I . Early test planning and later test execution is an activity of sequential software development model
- II . Change and configuration management are not needed for software testing activities.
- III . Based on the project context, additional levels of testing like hardware-software integration testing, feature interaction testing can be done.
- IV . System test planning and project planning could occur concurrently in V-model.

- A. I, II and III are true.
- B. II, III and IV are true.
- C. I, III and IV are true.
- D. I and III are true.

Answer: C

Question: 6

According to ISTQB syllabus, characteristics of systems of systems are;

- I . Long duration of projects

- II . Multiple levels of integration
- III . Need for Maintenance Testing
- IV . No formal development lifecycle or milestones.

- A. I, II true, III and IV false.
- B. I, II, III true, IV false.
- C. II, III IV true, I false.
- D. All of the above are true.

Answer: B

Question: 7

Which of the following is true about safety critical systems?

- A. System failures could be life threatening.
- B. The supplier of the safety critical system is not liable for any damage caused by the system.
- C. Testing proves that there are no failures or defects in the system.
- D. Traceability to regulatory requirements and compliance is not necessary.

Answer: A

Question: 8

Select the correct statements about safety critical systems;

- I . Risk management reduces the likelihood and / or impact of a risk.
- II . Failure Mode and Effect Analysis (FMEA) technique is used mainly for safety critical systems.
- III . All safety critical systems are subject to sector specific regulations only.
- IV . Full traceability from requirements to evidence is required in some safety critical systems.

- A. I, II, IV true, III false
- B. II,III, IV true, I false
- C. I, IV true, II, III false
- D. All of the above true

Answer: A