

Kiểm tra cá nhân - [ClassCode: SE1869-NJ]-[SWT301]-[nuinx3@fpt.edu.vn]

## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

45m : 21s

 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 1 (SINGLECHOICE)

 Đánh dấu

You work as a tester in a software house and you concurrently work on two projects. One of them is an internal tool for on-line room reservation, done within an agile life cycle. The other one is a commercial software for managing hospital patients' data, conducted in the waterfall model. In one-month, new versions of both systems will be released. You don't have time to perform all the planned tests for both systems. You decide to focus on testing the commercial system. Select the correct answer.

- ☐ This is a bad decision, because testing commercial project will be much more expensive than testing the internal one
- ☒ This is a good decision, because the commercial software is much more important for the company than the internal system
- ☐ This is a bad decision, because critical defects can occur in both systems, and one of them will not be tested
- ☐ This is a good decision, because the waterfall model requires testing during the end of the project

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

45m : 16s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 2 (SINGLECHOICE)

Đánh dấu

Which of the following requirements is testable?

- ☐ There should be no faults in the safety-critical components of the system.
- ☐ The platform must be designed with portability as a key feature
- ☐ The system is required to be easy for users to navigate and use.
- ☒ The required response time for the designated design load should not exceed one second.

response time

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## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại

45m : 12s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 3 (SINGLECHOICE)

Đánh dấu

Test planning has which of the following major tasks?

- ☒ i. Determining the scope and risks, and identifying the objectives of testing.
- ☒ ii. Determining the test approach (techniques, test items, coverage, identifying and interfacing the teams involved in testing, testware)
- ☐ iii. Reviewing the Test Basis (such as requirements, architecture, design, interface)
- ☒ iv. Determining the exit criteria.

☒ i, ii, iv are true and iii is false☐ i, iii, iv are true and ii is false☐ i, ii are true and iii, iv are false☐ ii, iii, iv are true and i is false

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

45m : 6s

📄 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 4 (SINGLECHOICE)

🚩 Đánh dấu

The inputs for developing a test plan are taken from

- ☐ Support plan
- ☐ Business plan
- ☒ Project plan
- ☐ None of the above

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

44m : 58s

📄 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 6 (SINGLECHOICE)

🚩 Đánh dấu

A social media platform is planning to roll out a new feature that allows users to upload and share videos. The development team has implemented the video upload functionality, and the product manager is concerned about the potential impact on the existing image upload functionality. They want to ensure that the introduction of video uploads does not negatively affect the core functionality of image uploads. Which test should be performed in this situation?

- ☐ Re-test
- ☐ Performance test
- ☐ Functional test
- ☒ Regression test

## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
44m : 52s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

## CÂU HỎI 8 (SINGLECHOICE)

☆ Đánh dấu

Which of the following BEST distinguishes the terms "validation" and "verification"

- ☐ Verification is confirmation through the provision of subjective evidence that the specified requirements have been met while validation confirmation through the provision of subjective evidence that the designs for a specific intended use have been met
- ☐ Validation is confirmation through the provision of subjective evidence that the specified requirements have been met while verification is confirmation through the provision of subjective evidence that the designs for a specific intended use have been met
- ☐ Validation is confirmation through the provision of objective evidence that the specified requirements have been met while verification is confirmed through the provision of objective evidence that the requirements for a specific intended use have been met
- ☒ Verification is confirmation through the provision of objective evidence that the specified requirements have been met while validation is confirmation through the provision of objective evidence that the requirements for a specific intended use have been met



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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

44m : 44s

 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 10 (SINGLECHOICE)

 Đánh dấu

Which of the following statements about test types and test levels is CORRECT?

- ☒ Functional and non-functional testing can be performed at any test level, while white-box testing is restricted to component and integration testing
- ☐ Functional testing can be performed at any test level, while white-box testing is restricted to component testing
- ☐ Functional and non-functional testing can be performed at system and acceptance test levels, while white-box testing is restricted to component and integration testing
- ☐ It is possible to perform functional, non-functional and white-box testing at any test level

## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
44m : 41s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

## CÂU HỎI 11 (SINGLECHOICE)

Đánh dấu

Select which of the following statements describe the key principles of software testing?

1. Testing shows the presence of defects, not their absence
- ii. Testing everything is possible
- iii. Early testing is more expensive and is a waste of time
4. iv. Defects cluster together
6. v. Testing is context dependent
5. vi. Beware of the pesticide paradox
7. vii. Absence of errors is a fallacy

2. Exhaustive testing is impossible

i, iv, v, vi, vii

- ☐ ii, iii, iv, v and vi
- ☐ i, ii, v, vi and vii
- ☐ iii, iv, v, vi and vii
- ☒ i, iv, v, vi and vii



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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

44m : 37s

📄 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 12 (SINGLECHOICE)

☆ Đánh dấu

Common approach/approaches adopted while performing Maintenance Testing is/are \_\_\_\_

☐ Confirmation test☐ Retest☒ Breadth test and depth test☐ Sanity testtheo chiều rộng  
và  
theo độ sâu

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## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
**44m : 33s**

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 13 (SINGLECHOICE)

Đánh dấu

Which of the following could be a reason for a failure

- 1) Testing fault
- 2) Software fault
- 3) Design fault
- 4) Environment Fault
- 5) Documentation Fault

- ☐ 2 is a valid reason; 1,3,4 & 5 are not
- ☐ 1,2,3 are valid reasons; 4 & 5 are not
- ☒ All of them are valid reasons for failure
- ☐ 1,2,3,4 are valid reasons; 5 is not

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

44m : 27s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 15 (SINGLECHOICE)

Đánh dấu

\_\_\_\_\_ is a very **early build** intended for limited distribution to **a few key customers** and to marketing for demonstration purposes.

- ☐ Test release document
- ☐ Trial build
- ☒ **Beta release**
- ☐ Alpha release

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 49s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 20 (SINGLECHOICE)

Đánh dấu

"How much testing is enough?"

- ☒ The answer depends on the risk factors associated with your industry, contract, and specific requirements
- ☐ The answer to this question depends on the need for audit trail, maturity of your developers as well as the budget for testing
- ☐ Answering this question is straightforward – Sufficient testing effort has been spent when the level of confidence has reached the expected threshold
- ☐ It is impossible to provide an ultimate answer to this question

## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
43m : 45s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

## CÂU HỎI 21 (SINGLECHOICE)

Đánh dấu

Which is the following BEST matches Test Levels with the test environment?

Component testing 1 C

Integration testing 2 B

System testing 3 A

Acceptance testing 4 D

The test environment simulates a production like environment A

The test environment is identical to the development with some drivers and stubs B

The test environment is like to be individual developer's computer and user drivers and stubs C

The test environment corresponds to final target or production environment D

☐ 1B, 2C, 3B, 4A☒ 1C, 2B, 3A, 4D☐ 1A, 2D, 3B, 4C

## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 41s

📄 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
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26	27	28	29	30

## CÂU HỎI 22 (SINGLECHOICE)

☆ Đánh dấu

The test cases derived from use cases

- ☐ are most useful in covering the defects at the Integration level
- ☐ are most useful in uncovering defects in the process flows during the testing use of the system
- ☒ are most useful in uncovering defects in the process flows during real world use of the system
- ☐ are most useful in covering the defects in the process flows during real world use of the system

uncovering defects      real world



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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 38s

📄 Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 23 (SINGLECHOICE)

☆ Đánh dấu

Which one of the following statements about system testing is NOT true?

- ☐ Faults found during system tests can be very expensive to fix. ✓
- ☒ Structural testing is used more than Functional testing. ⇔ Func used > Structural
- ☐ End-users should not be involved in system tests. ✓
- ☐ System tests are often performed by independent teams. ✓

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 35s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 24 (SINGLECHOICE)

Đánh dấu

A popular social media application is planning to roll out a new feature that allows users to upload and share videos. The development team has implemented the video upload functionality, but there are concerns about the overall system's ability to handle the increased load and user engagement due to this new feature. In this scenario, which test type should be utilized to examine the primary concern?

☒ Non-functional test (Performance)☐ Functional test☐ Non-functional test (Usability)☐ White-box test

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 32s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 25 (SINGLECHOICE)

Đánh dấu

We split testing into distinct stages primarily because:

- ☐ It is easier to manage testing in stages.
- ☒ Each test stage has a different purpose.
- ☐ We can run different tests in different environments.
- ☐ The more stages we have, the better the testing.

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## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
43m : 25s Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 27 (SINGLECHOICE)

 Đánh dấu

What is the primary distinction between debugging and testing in software development?

- ☒ Debugging is the process of locating and fixing errors in the code, while testing is the evaluation of software functionality to ensure it meets requirements.
- ☐ Debugging is synonymous with testing, both focusing on identifying software defects and ensuring functionality.
- ☐ Testing is concerned with code review and dynamic testing, while debugging is the broader process of enhancing software performance
- ☐ An error is a deviation from the expected behavior/action, a defect is the manifestation of an error in the code, and a failure occurs when a defect causes the software to behave incorrectly.

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 22s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 28 (SINGLECHOICE)

Đánh dấu

Which of the following statements is a valid objective for testing?

- ☐ The test should start as late as possible so that development had enough time to create a good product
- ☐ To prove that all possible defects are identified
- ☐ To prove that any remaining defects will not cause any failures
- ☒ To validate whether the test object works as expected by the users and other stakeholders

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## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 20s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

## CÂU HỎI 29 (SINGLECHOICE)

Đánh dấu

Programmers often write and execute unit tests against code which they have written. During this self-testing activity, which of the following is a tester mindset that programmers should adopt to perform this unit testing effectively?

- ☐ Code coverage
- ☐ Good communication skills
- ☐ Evaluating code defects
- ☒ Attention to detail



## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
43m : 16s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

## CÂU HỎI 30 (SINGLECHOICE)

Đánh dấu

Given the following test work products, identify the major activity in a test process that produces it.

1 - Test execution schedule

2 - Test cases

3 - Test  
summary  
reports

4 - Defect report

- ☐ 1 - Test planning; 2 - Test design; 3 - Test completion; 4 - Test implementation
- ☐ 1 - Test planning; 2 - Test design; 3 - Test monitoring; 4 - Test completion
- ☒ 1 - Test implementation; 2 - Test design; 3 - Test completion; 4 - Test execution
- ☐ 1 - Test implementation; 2 - Test analysis; 3 - Test monitoring; 4 - Test execution

## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
44m : 20s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

incorrect logic in implementing different types of discounts. After deeper investigation, it turns out that the development team misunderstood the requirement provided by the Business Analyst regarding the application of promotional discounts.

Match defect, failure, root cause and effect with their manifestation in the above scenario.

defect 1

failure 2

root cause 3

effect 4

1-B

2-A

3-D

4-C

The system generates incorrect promotional discount logic during the checkout process

incorrect logic in implementing different types of discounts

Customer being charged incorrectly

Lack of clarity in BA's requirements and/or BA misunderstood of how discounts are applied

A

B

C

D

## Thông tin phiên thi

Lưu ý khi làm bài

Thời gian còn lại  
**44m : 6s**

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

root cause

effect

The system generates incorrect promotional discount logic during the checkout process

incorrect logic in implementing different types of discounts

Customer being charged incorrectly

Lack of clarity in BA's requirements and/or BA misunderstood of how discounts are applied

☒ 1B; 2A; 3D; 4C☐ 1B; 2A; 3C; 4D☐ 1C; 2D; 3A; 4B☐ 1C; 2B; 3D; 4A

## Thông tin phiên thi

Lưu ý khi làm bài



Thời gian còn lại

43m : 56s

Nộp bài

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

Match each test with the corresponding performer

a) User acceptance test

b) Operational acceptance test

c) Alpha/beta test

d) Contractual/legal test

i. potential users

ii. system administrators

iii. end users

iv. independent testers

☐ a - iii; b - ii; c - iv; d - i