

Systems and Operations Research – Fall Semester – 2021/2022

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Started on	Sunday, 7 November 2021, 11:22 PM
State	Finished
Completed on	Sunday, 7 November 2021, 11:27 PM
Time taken	5 mins 9 secs
Grade	14.00 out of 15.00 (93%)

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Question 1
Correct
Mark 1.00 out of 1.00
Flag question

In waterfall model, output of one phase is input to next phase. True or false.

Select one:

- ☒ True ✓
☐ False

The correct answer is 'True'.

Question 2
Correct
Mark 1.00 out of 1.00
Flag question

..... is the process of understanding how things, regarded as systems and components of systems, influence one another within a whole. Focused on the entire system and how the parts interrelate.

Select one:

- ☐ a. Systems Engineering
☐ b. system verification
☐ c. System requirement
☒ d. Systems thinking ✓

Your answer is correct.

The correct answer is: Systems thinking

Question 3
Correct
Mark 1.00 out of 1.00
Flag question

The subject of cybernetics deals with the science of :

Select one:

- ☒ a. Control and communication ✓
☐ b. Molecular biology
☐ c. Biochemistry
☐ d. Genetics

Your answer is correct.

The correct answer is: Control and communication

Question 4
Correct
Mark 1.00 out of 1.00
Flag question

Which of the following are advantages of iterative model?

Select one:

- ☐ a. Early revenue generation
☐ b. Simpler to manage
☐ c. Divided workload
☐ d. Early feedback
☒ e. All the above ✓

Your answer is correct.

The correct answer is: All the above

Question 5
Correct
Mark 1.00 out of 1.00

Amongst which of the following is / are the Verification and validation activities.

1.00

▼ Flag question

Select one:

- ☐ a. Technical reviews, quality and configuration audits
- ☐ b. Algorithm analysis, development testing, usability testing
- ☐ c. Qualification testing, acceptance testing, and installation testing
- ☒ d. All of the mentioned above ✓

Your answer is correct.

The correct answer is: All of the mentioned above

Question 6

Incorrect

Mark 0.00 out of 1.00

▼ Flag question

In V model, Requirement analysis refers to detailed communication with the customer to understand their ____.

Select one:

- ☐ a. None of the mentioned above
- ☒ b. Testing and implementation ✗
- ☐ c. Analysis and design
- ☐ d. Requirements and expectations

Your answer is incorrect.

The correct answer is: Requirements and expectations

Question 7

Correct

Mark 1.00 out of 1.00

▼ Flag question

..... refers to a different set of tasks that ensure that the software that has been built is traceable to customer requirements.

Select one:

- ☐ a. Verification
- ☒ b. Validation ✓
- ☐ c. Array
- ☐ d. None of these

Your answer is correct.

The correct answer is: Validation

Question 8

Correct

Mark 1.00 out of 1.00

▼ Flag question

Model-based system engineering (MBSE) focuses on developing, managing and controlling the model of the system

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 9

Correct

Mark 1.00 out of 1.00

▼ Flag question

Validation ensures that "Are we building the right product?"

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 10

Correct

Mark 1.00 out of 1.00

▼ Flag question

Systems Engineering (SE) is a narrow branch of engineering associated with computers, software, and information technology (IT).

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 11

Correct

Mark 1.00 out of 1.00

Flag question

With reference to V-Model, testing is done in a hierarchical manner,

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 12

Correct

Mark 1.00 out of 1.00

Flag question

..... refers "Understand principles, what is best?".

Select one:

- ☐ a. information
- ☒ b. Wisdom ✓
- ☐ c. Data
- ☐ d. knowledge

Your answer is correct.

The correct answer is: Wisdom

Question 13

Correct

Mark 1.00 out of 1.00

Flag question

User Acceptance Testing tests whether the product is capable enough to launch in the market or ready to work in the real world.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 14

Correct

Mark 1.00 out of 1.00

Flag question

A system is a group of interacting, interrelated, or interdependent elements forming a complex whole.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 15

Correct

Mark 1.00 out of 1.00

Flag question

In V-model, each development phase is associated with,

Select one:

- ☐ a. Design phase
- ☐ b. Development phase
- ☒ c. Testing phase ✓
- ☐ d. Implantation phase

Your answer is correct.

The correct answer is: Testing phase

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