



## Assignment 1

**Grade** 15.00 out of 15.00 (100%)

Mark 1.00 out of 1.00

☐ False

The correct answer is 'True'.

Mark 1.00 out of 1.00

- ☐ 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

Mark 1.00 out of 1.00

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

Your answer is correct.

The correct answer is: Validation



Question **4**  
Correct  
Mark 1.00 out of 1.00

**Verification ensures that "Are we building the product, right?"**

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **5**  
Correct  
Mark 1.00 out of 1.00

**The subject of cybernetics deals with the science of :**

Select one:

☐ a. Genetics

☒ b. Control and communication ✓

☐ c. Molecular biology

☐ d. Biochemistry

Your answer is correct.

The correct answer is: Control and communication

Question **6**  
Correct  
Mark 1.00 out of 1.00

**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 **7**  
Correct  
Mark 1.00 out of 1.00

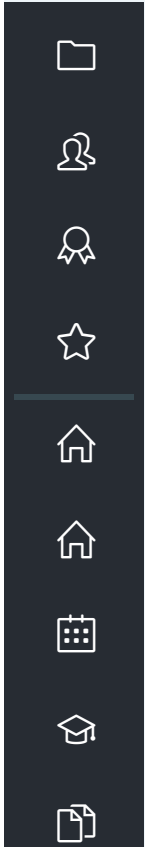
**With reference to V-Model, testing is done in a hierarchical manner,**

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.



Question **8**  
Correct  
Mark 1.00 out of 1.00

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

Select one:

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

Your answer is correct.  
The correct answer is: Testing phase

Question **9**  
Correct  
Mark 1.00 out of 1.00

**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 **10**  
Correct  
Mark 1.00 out of 1.00

**The measure of the extent to which the system achieves its intended transformation with the minimum use of resources.**

Select one:

- ☐ a. Effectiveness:
- ☒ b. Efficiency ✓
- ☐ c. Efficacy
- ☐ d. None of the above

Your answer is correct.  
The correct answer is: Efficiency



Question **11**

Correct

Mark 1.00 out of 1.00

**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 **12**

Correct

Mark 1.00 out of 1.00

**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 **13**

Correct

Mark 1.00 out of 1.00

**..... 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. System requirement

☐ b. system verification

☐ c. Systems Engineering

☒ d. Systems thinking ✓

Your answer is correct.

The correct answer is: Systems thinking

Question **14**

Correct

Mark 1.00 out of 1.00

**Which of the following are not type of SDLC models?**

Select one or more:

☒ a. Capability Maturity model ✓

☐ b. Big bang model

☒ c. Code and fix model ✓

☐ d. Spiral model

☐ e. Agile model

Your answer is correct.

The correct answers are: Code and fix model, Capability Maturity model



Question **15**

Correct

Mark 1.00 out of 1.00

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

Select one:

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

Your answer is correct.

The correct answer is: Requirements and expectations

