**Week 1 – Intro to QA, SDLC phases**

**1. Validation ensures that "Are we building the right product?"**

1. True
2. False

**Answer:** **A)** True

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

1. Technical reviews, quality and configuration audits
2. Algorithm analysis, development testing, usability testing
3. Qualification testing, acceptance testing, and installation testing
4. All of the mentioned above

**Answer:** **D)** All of the mentioned above

**3. Software testing is one element of a broader topic that is often referred to as \_\_\_\_.**

1. Verification
2. Validation
3. Verification and Validation (V&V)
4. None of these

**Answer:** **C)** Verification and Validation (V&V)

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

1. Verification
2. Validation
3. Array
4. None of these

**Answer: B**) Validation

**5.  A program testing is to affirm software quality with methods that can be economically.**

1. True
2. False

**Answer:** **A)** True

**6. SDLC is \_\_\_ process for building System.**

1. Efficient
2. Non systematic
3. A systematic
4. None of these

**Answer**: C) A systematic

**7. SDLC works by \_\_\_ of System development.**

1. Lowering the cost
2. Higher in the cost
3. Average in the cost
4. None of these

**Answer:** **A)** Lowering the cost

**Explanation:**

SDLC works by lowering the cost of System development. SDLC can be considered as a process of improving quality and shortening production time.

8. **The \_\_\_ phase of SDLC concerns with the integration of system elements.**

1. Implementation
2. Analysis
3. Requirement
4. None of these

**Answer:** **A)** Implementation

**Explanation:**

The implementation phase of SDLC concerns with the integration of system elements.

9. **In SDLC, Problem identification,**

1. This is the first and initial phase of SDLC.
2. identify the real problem for which they want a solution
3. It takes time to problem identification
4. All of the mentioned above

**Answer:** **D)** All of the mentioned above

10. **In SDLC, after getting the problem identification, Requirement analysis begins.**

1. True
2. False

**Answer:** **A**) True

**11**. **The requirement analysis is a detailed analysis which includes the answer of,**

1. What is the problem? What is the solution? Is solution feasible?
2. How much time required solving the problem? How it will be resolved?
3. How many resources will be required?
4. All of the mentioned above

**Answer:** **D)** All of the mentioned above

**12.  \_\_\_ of the system gives long life to the new system.**

1. Implementation
2. Maintenance
3. Testing
4. None of the mentioned above

**Answer:** **B)** Maintenance

**13. With reference to System design, which of the following is correct,**

1. System design is a blueprint of proposed solution
2. It creates logical design
3. If any changes required, analysts redesign it.
4. All of the mentioned above

**Answer:** **D)** All of the mentioned above

**14. Economic feasibility is a study to complete the project within the budget.**

1. True
2. False

**Answer**: A) True

**15.  A System life cycle model describes \_\_\_ criteria for each phase.**

1. Up and down
2. Pull and push
3. Entry and exit
4. None of these

**Answer:** **C)** Entry and exit