SDLC MCQ Set 1

1. A descriptive and diagrammatic representation of software life cycle is called
   A. ○ software descriptive model
   B. ● software life cycle model
   C. ○ software plan
   D. ○ software phases

   Explanation

   Correct Option :B.

2. SDLC is
   A. ○ Software Development Life Cycle
   B. ○ Systems Development Life Cycle
   C. ○ Secure Development Life Cycle
   D. ○ Both A & B

   Explanation

   Correct Option :D.

3. A documented life cycle model helps to identify _____ in development process.
   A. ○ inconsistencies
   B. ○ redundancies
   C. ○ Ommission
   D. ○ All of the above

   Explanation

   Correct Option :D.

4. Which of the following is not a software development life cycle model?
   A. ○ Agile Model
   B. ○ RAD Model
   C. ○ Prototype Model
   D. ○ Autonomous Model

   Explanation

   Correct Option :D.

5. Which of the following is not the phase of classical waterfall model?
   A. ○ Feasibility Study
   B. ○ Requirement Analysis
   C. ○ Building Protype
   D. ○ Maintenance

   Explanation

Correct Option :C.

6. Most of the effort in Classical waterfall model is required in

   A. ○ Design phase

   B. ○ Development phase

   C. ○ Maintenance Phase

   D. ○ Testing Phase

Explanation

Correct Option :C.

7. Feasilbility study in sdlc model is carried out to

   A. ○ check if project is technically feasible

   B. ○ check if project is financially feasible

   C. ○ Both of the above

   D. ○ None of the above

Explanation

Correct Option :C.

8. Which of the following shows correct sequence of waterfall model?

   A. ○ Feasibility study, Requirement analysis, Design, coding, testing, Integration and system testing, Maintenance

   B. ○ Requirement analysis, Feasibility study, Design, coding, testing, Integration and system testing, Maintenance

   C. ○ Requirement analysis,Design, Feasibility study, coding, testing, Integration and system testing, Maintenance

   D. ○ Feasibility study, Requirement analysis, Design, coding, testing, Maintenance, Integration and system testing

Explanation

Correct Option :A.

SDLC MCQ Set 2

1. Which of the following is correct about classical waterfall model?
   1. The model assumes that all the requirements are defined correctly at the beginning of the project.
   2. The model assumes that all the phases may or may not be sequential.

   A. ○ only 1

   B. ○ only 2

   C. ○ Both 1 & 2

   D. ○ None of the above.

Explanation

Correct Option :A.

2. Irrespective of the model followed to develop software product, the final document is written to reflect

   A. ○ iterative model

   B. ○ classical waterfall model

   C. ○ prototype model

   D. ○ evolutionary model

Explanation

Correct Option :B.

3. The classical waterfall model

   A. ○ always provides feedback path to previous phases

   B. ○ never provides feedback path to previous phases

   C. ○ may or may not provides feedback path to previous phases

   D. ○ none of the above

Explanation

Correct Option :B.

4. Iterative waterfall model

   A. ○ provides feedback path to previous phase

   B. ○ never provides feedback path to previous phase

   C. ○ provides feedback path to previous phase except feasibility study phase

   D. ○ provides feedback path to previous phase except development phase

Explanation

Correct Option :C.

5. In iterative waterfall model the error committed during which phase cannot be corrected?

   A. ○ Requirement gathering

   B. ○ Feasibility study

   C. ○ Requirement analysis

   D. ○ Coding

Explanation

Correct Option :B.

6. The phase containment of error means

   A. ○ detect error close to their point of introduction

   B. ○ detect error before it could error

   C. ○ transferring the error of one phase to another

   D. ○ keep the error to be resolved at the end of all the phases

Explanation

Correct Option :A.

7. Which of the following correctly depicts the shortcomings of iterative waterfall model?
   1. It provides feedback path to previous phase to correct error commited during those phase.
   2. The next phase can start only after previous phase is complete.
   A. ○ only 1
   B. ○ only 2
   C. ○ Both 1 & 2
   D. ○ None of the above

   Explanation

   Correct Option :B.
8. Before actual software development begins, this model requires to build the toy implementation of it.
   A. ○ Iterative waterfall model
   B. ○ RAD model
   C. ○ Agile model
   D. ○ Prototype model

   Explanation

   Correct Option :D.
   ○

SDLC MCQ Set 3

1. The prototyping model is most suited to build
   A. ○ Graphical User Interface
   B. ○ Desktop Application
   C. ○ Mobile Application
   D. ○ All of the above

   Explanation

   Correct Option :A.
2. Protyping model can be seen as combination of
   A. ○ prototype development + classical waterfall development
   B. ○ prototype development + iterative development
   C. ○ prototype development + evolutionary development
   D. ○ prototype development + Agile development

   Explanation

   Correct Option :B.
3. Which of the following is known as incremental model?
   A. ○ Evolutionary Model

B. ○ RAD Model

C. ○ Iterative waterfall model

D. ○ Agile model

Explanation

Correct Option :A.

4. The evolutionary model is useful to build

    A. ○ GUI

    B. ○ Object Oriented software development

    C. ○ Procedure Oriented software development

    D. ○ All of the above

Explanation

Correct Option :B.

5. Which of the following is known as meta model?

    A. ○ Spiral model

    B. ○ Iterative model

    C. ○ RAD model

    D. ○ Prototype model

Explanation

Correct Option :A.