

### Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Which conforms that the software meets its technical specifications?

Select one:

- ☐ a. Validation
- ☐ b. Defect finding
- ☒ c. Verification ✓
- ☐ d. Design

### Question 2

Correct

Mark 1.00 out of 1.00

Flag question

The software is put into operation in the client's environment. The client comes back to enhance the UI to attract more customers. This phase is called as \_\_\_\_\_

Select one:

- ☒ a. Maintenance ✓
- ☐ b. Development

### Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Match the appropriate usage of the SDLC process models, based on the nature of requirements

When the requirements are unclear

Use the Throw away prototype ✓

When the requirements are unstable

Use the Evolutionary prototype ✓

### Question 4

Correct

Mark 1.00 out of 1.00

Flag question

Arrange the steps / activities involved in the process of prototyping

- ✓ Identify basic requirements
- ✓ Develop Initial Prototype
- ✓ Review the prototype
- ✓ Make necessary changes or Enhance the Prototype

### Question 5

Correct

Mark 1.00 out of 1.00

Flag question

Match the phases of the Rapid Application Development model against their objectives

Testing and turnover New components along with all the interfaces are tested ✓

Application generation Automated tools are used to convert process models into the actual system ✓

Business modeling The information flow is identified between various modules ✓

Process modeling Data objects are converted to achieve the business objective ✓

Data modeling Information gathered from business modeling is used to define data objects ✓

### Question 6

Correct

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Flag question

High-risk or major functions are addressed in the first cycles there by delivering an operational product. Which of the SDLC process models achieves this?

Select one:

- ☐ a. Spiral Model
- ☐ b. RAD model
- ☒ c. Incremental model ✓
- ☐ d. Waterfall model

### Question 7

Correct

Mark 1.00 out of 1.00

Flag question

Beta technologies has undertaken a collision avoidance system software to be implemented for airports. Additional safety measures have to be automated by warning pilots when another aircraft gets closer, otherwise impacts are huge. Which of the following SDLC process models best suits the requirement?

Select one:

- ☐ a. Waterfall model
- ☐ b. V model
- ☒ c. Spiral model ✓
- ☐ d. Evolutionary prototyping model

### Question 8

Correct

Mark 1.00 out of 1.00

Flag question

The student mark processing system software has been developed and deployed at the St. Peters university. The system shows the grade as 0 for all the students rather than the actual grade. Which phase below was not done properly during the SDLC?

Select one:

- ☐ a. Software Analysis
- ☒ b. Software Testing ✓
- ☐ c. Software Maintenance
- ☐ d. Software Design