

1.

Life Cycle Model Quizizz

2. What are the traditional Software phases?

☐ A

Requirements Engineering, Design,
Abstraction, Implementation,
Verification & Validation

☐ B

Design, Optimization,
Implementation, Verification &
Validation, Maintenance

☐ C

Requirements Engineering, Design,
Implementation, Verification &
Validation, Maintenance

3. **Which statement best differentiates between verification and validation?**

- | | | | |
|----------------------------|---|----------------------------|--|
| <input type="checkbox"/> A | Verification is done by end-users, while validation is performed by developers. | <input type="checkbox"/> B | Verification ensures software compatibility with other systems, while validation ensures the software is free of bugs. |
| <input type="checkbox"/> C | Verification answers the question "Are we building the product right?", while validation answers "Are we building the right product?" | <input type="checkbox"/> D | Verification is about testing the software, while validation is about reviewing the software's documentation. |

4. **Which life cycle model combines risk-driven approach with iterative development, involving both development and risk assessment?**

- | | | | |
|----------------------------|-----------|----------------------------|--------------------------|
| <input type="checkbox"/> A | Waterfall | <input type="checkbox"/> B | Spiral |
| <input type="checkbox"/> C | Agile | <input type="checkbox"/> D | Evolutionary Prototyping |

5. **A tech startup is developing a new e-commerce platform. Given the rapidly changing market dynamics, they decide to use a methodology that allows them to release a basic version of their software quickly, gather feedback, and then incrementally update and improve it every couple of weeks. Which software development methodology best describes this approach?**

- | | | | |
|----------------------------|--------|----------------------------|--------------------------|
| <input type="checkbox"/> A | Spiral | <input type="checkbox"/> B | Evolutionary Prototyping |
| <input type="checkbox"/> C | Agile | <input type="checkbox"/> D | Waterfall |

6. **A financial institution is updating its legacy banking system. The requirements are clearly defined and changes to these requirements are not expected. The institution emphasizes a thorough documentation process and desires to move from one phase of development to the next only after careful validation of each phase. Which methodology are they likely using?**

- | | | | |
|----------------------------|--------------------------|----------------------------|--------|
| <input type="checkbox"/> A | Waterfall | <input type="checkbox"/> B | Spiral |
| <input type="checkbox"/> C | Evolutionary Prototyping | <input type="checkbox"/> D | Agile |

7. Which kind of mistake “adding developer to a late project” is?

A

People Mistake

B

Product Mistake

C

Not a mistake

D

Technology Mistake

Answer Key

1.

2. c

3. c

4. b

5. c

6. a

7. a