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Question No: 1

Which of the following is not part of Agile principles?

Options:

☐ Early and continuous delivery of working software at a sustainable pace and customer collaboration,

☐ Motivated and self-organizing teams that reflect at regular intervals to learn and improve their ways of working

☐ Simplicity and technical excellence

☐ Delivering software four times in a year at regular intervals

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Question No: 2
Which of the following is not part of Agile principles?

Options:

- ☐ Early and continuous delivery of working software at a sustainable pace and customer collaboration,
- ☐ Motivated and self-organizing teams that reflect at regular intervals to learn and improve their ways of working
- ☐ On need basis adjust the iteration size from time-to-time in order to maximize the delivery of business user stories
- ☐ Simplicity and technical excellence

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Question No: 3

Which of the following is false?

Options:

☐ A class can provide access on its attributes to other classes using methods

☐ A method inherited from a super class can have a different behavior in a sub-class

☐ An object instantiated can correspond to more than one class



☐ Inheritance enables extensibility


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Question No: 4

Documents created in traditional SDLC include

Options:

☐ Product Backlog

☐ System Requirements Specification (SRS) document, Architecture/High-level Design (HLD) document and Low-Level Design Document (LLD)

☐ Use Cases

☐ All of the above

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Question No: 5

Object Oriented Analysis and Design involves

Options:

☐ Starting with ER diagram to identify classes and objects

☐ Understanding the context and problem domain in order to identify actors and use cases

☐ A strong mathematical foundation to arrive at analysis or design models

☐ Structured analysis for a top-down approach

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Question No: 6

The life of a software application ends when, The software application requires minor and major enhancements

The software application is transformed or modernized based on emerging technology areas (such as cloud engineering, data sciences, AI/ML) or replaced by another application or the application is no longer relevant to the end-users.

Which of the above two are true?

Options:

☐ a

☐ b

☐ a & b


☐ a or b

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Question No: 7

SRS document consists of

Options:

☐ Project introduction, scope, target audience and functional requirements

☐ External interface requirements and non-functional requirements

☐ Analysis models and glossary

☐ All of the above

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Question No: 8

According to Agile Principles, which of the following is the most efficient and effective method of conveying information to and within a development team?

Options:

☐ Creating and sharing documents

☐ Face-to-face conversation

☐ Video conferencing



☐ Crisp emails


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Question No: 9

Which of the following do you start creating at the beginning of data modeling?

Options:

☐ ER Diagram

☐ Database Table Structure

☐ Control Flow Diagram

☐ State Transition Diagram

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Question No: 10

Which of the following applies to throwaway prototype?

Options:

- ☐ Throwaway prototype takes more time to create as compared to evolutionary prototype
- ☐ Throwaway prototype needs to have a solid technology foundation because the code can be reused
- ☐ Throwaway prototype must have end-to-end implementation functionalities
- ☐ Throwaway prototypes are developed to demonstrate certain features but it is not a good idea to add more code to a throwaway prototype to build the final product or application

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Question No: 11

Which of the following is true about software engineering?

Options:


- ☐ Software engineering is an engineering discipline that is concerned with the aspects of the internet.
- ☐ Software engineering is exclusively about writing object-oriented programs
- ☐ A subject area that includes the fundamental ideas, concepts, process models and best practices that are applicable to all types of software systems
- ☐ All of the above

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Question No: 12

Which of the following is true about spiral model?

Options:

☐ Software is demonstrated only at the end of the project

☐ Risks are not identified and analyzed at an early stage

☐ Prototyping enhances customer feedback

☐ Very easy to implement in projects

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Question No: 13

Which of the following is not a functional requirement?

Options:

☐ A customer shall view the availability of books

☐ The receptionist shall be able to process the return of one or more books by a customer

☐ A registered user will be able to login to the system through 2-factor authentication (1) username/password and 2) OTP on registered mobile number)



☐ Customers can avail membership for 6 months, or 1 year.


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Question No: 14

Program Specifications document is created in which phase of waterfall software development lifecycle?

Options:

☐ Architecture and High-Level Design Phase

☐ Detailed Design Phase

☐ Requirement Analysis Phase


☐ Testing Phase


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Question No: 15

Which of the following is not an advantage of spiral model?

Options:

☐ Software is demonstrated at the end of each pass

☐ Risks are identified and analyzed at an early stage

☐ Prototyping enhances customer feedback

☐ Very easy to implement in projects

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Question No: 16

A customer shall view the availability of books

Options:

☐ The receptionist shall be able to process the return of one or more books by a customer

☐ A registered user will be able to login to the system through 2-factor authentication (1) username/password and 2) OTP on registered mobile number)

☐ Customers can avail membership for 6 months, or 1 year.

☐ Choice 3



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Question No: 17

Project Introduction, scope, target audience and functional requirements

Options:

☐ External interface requirements and non-functional requirements

☐ Analysis models and glossary

☐ All of the above



☐ Choice 4


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Question No: 18
ER Diagram

Options:

☐ Database Table Structure

☐ Control Flow Diagram

☐ State Transition Diagram

☐ Choice 1

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Question No: 19

Software engineering is an engineering discipline that is concerned with the aspects of the Internet.

Options:

☐ Software engineering is exclusively about writing object-oriented programs

☐ A subject area that includes the fundamental ideas, concepts, process models and best practices that are applicable to all types of software systems

☐ All of the above


☐ Choice 3

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Question No: 20

Software is demonstrated at the end of each pass

Options:

☐ Risks are identified and analyzed at an early stage

☐ Prototyping enhances customer feedback

☐ Very easy to implement in projects

☐ Choice 4

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