

CS-504 Software Engineering-1 Update MCQS For Quiz-3 File Solve By Vu Topper RM

85% To 100% Marks



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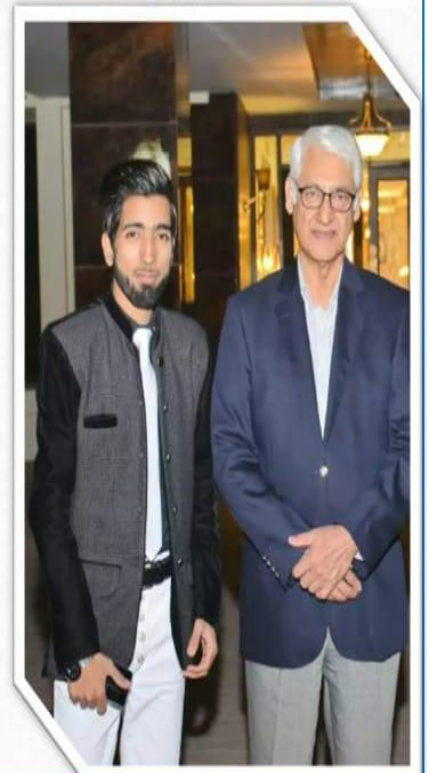
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When a class gets physical existence in computer memory, it is called

- A. polymorphism
- B. Object**
- C. Static Object
- D. Parent Class

An object model of a system captures the _____ structure of a system.

- A. Static**
- B. Iterative
- C. Dynamic
- D. Hierarchical

Page 93

_____ diagram does not capture control flow information, it just shows the flow of the data in a system.

- A. Class
- B. Activity
- C. Data flow**
- D. Sequence

According to Caper Jones analysis of project activities, coding only has _____ affect part in software development.

- A. 36-40%
- B. 13-14%**
- C. 70-80%
- D. 50-60%

ok

A _____ is not the real product but just a real looking mock-up of what would be eventually delivered.

- A. Program
- B. Software
- C. Testcase
- D. Prototype**

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Question No:1

(Marks:1)

Vu-Topper RM

The criteria used to assess the quality of an architectural design should be based on system

- A. Data and control**
- B. Functionality
- C. Implementation details
- D. Accessibility and reliability

Question No:2

(Marks:1)

Vu-Topper RM

If Cat is derived from Mammal Class, and Mammal is derived from Animal Class, then:

- A. Cat will inherit Animal's functions and data
- B. Cat is allowed to access only the Mammal's Class
- C. Cat will not be able to access any class
- D. Cat will inherit Animal's functions and data**

Question No:3

(Marks:1)

Vu-Topper RM

In the case of action-oriented approach, data is decomposed according to: Object requirements

- A. Functionality requirements**
- B. Corresponding domain model
- C. Object requirements
- D. Compatibility with object interface

Page 15

ok

Question No:4

(Marks:1)

Vu-Topper RM

The most important and critical stage in the object oriented design is the appropriate classification of _____.

- A. Object**
- B. Methods
- C. Functions
- D. Relationships

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ok

Question No:5

(Marks:1)

Vu-Topper RM

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The focus of sequence diagrams is:

- A. On static Model of system
 - B. On object constraints
 - C. On the flow of Control
 - D. On objects/classes and messages exchanged among them**
- Page 106**

Question No:6

(Marks:1)

Vu-Topper RM

Different messages in sequence diagrams includes:

- A. Simple
- B. Notify
- C. Asynchronous

D. Both Simple and Asynchronous **Page 108**

Question No:7

(Marks:1)

Vu-Topper RM

In the case of _____ approach, data is decomposed according to functionality requirements.

- A. Object-oriented
- B. Event-oriented
- C. Process-oriented

D. Action- oriented **Page 80** **ok**

Question No:8

(Marks:1)

Vu-Topper RM

The _____ provides the software engineer with a view of the system as a whole.

- A. Process Model
- B. Business model

C. Architectural Model

D. Requirements Model

Question No:9

(Marks:1)

Vu-Topper RM

OOD results in a design that achieves a number of different levels of _____.

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A. Event

Page 89

ok

B. Process

C. Operation

D. Modularity

Question No:10

(Marks:1)

Vu-Topper RM

Consider the following piece of code:

```
public class Square extends Shape {  
    // some code  
}
```

The above code is an example of

A. Part-Whole relationship

B. Generalization/ Specialization

ok

C. Data Sharing

D. Data encapsulation

Question No:11

(Marks:1)

Vu-Topper RM

UML is a language for _____

A. Modeling and Design

Google

ok

B. High-level Programming

C. Creating diagrams only

D. Low-level Programming

Question No:12

(Marks:1)

Vu-Topper RM

A _____ is a system component that provides services to other components but would not normally be considered as a separate system.

A. Message

B. Method

C. Module

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D. Relationship

Question No:13

(Marks:1)

Vu-Topper RM

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_____ pointed out the elegant conceptual integrity exhibited by layered organization of software systems, with the resulting gains in development and maintenance ease.

- A. Barry Boehm
- B. David Parnas
- C. Edsger Dijkstra**
- D. Shaw and Garlan

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Question No:18

(Marks:1)

Vu-Topper RM

Selecting Objects (in a domain) include:

- A. Only Actors
- B. Only Participants
- C. Only Actors and Places
- D. Actors. Participants and Places**

ok

Question No:19

(Marks:1)

Vu-Topper RM

How can we implement generalization in Object Oriented programming languages?

- A. Abstraction
- B. Inheritance**
- C. Polymorphism
- D. Encapsulation

Question No:20

(Marks:1)

Vu-Topper RM

Collaboration diagram can show _____.

- a) Binary messages
- b) Asynchronous messages
- c) Synchronous messages
- A. a only
- B. b only
- C. c only

D. both b and c

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Question No:21

(Marks:1)

Vu-Topper RM

Which of the following is not supported by a maintainable design?

- A. Change
- B. Debugging
- C. Adding new features

D. Higher maintenance cost

Google

ok

Question No:22

(Marks:1)

Vu-Topper RM

Normally a System will be more easy to modify if its modules have:

- A. High coupling and low cohesion
- B. High coupling and high cohesion

C. Low coupling and high cohesion

ok

D. Low coupling and Low cohesion

Question No:23

(Marks:1)

Vu-Topper RM

_____is a role that each actor plays in the system under consideration.

A. An act

B. A participant

C. A function

D. None of the given

Question No:24

(Marks:1)

Vu-Topper RM

Any Engineering approach must be founded on organizational commitment to _____.

A. Cost

B. Scheduling

C. Quality

D. Performance

Question No:25

(Marks:1)

Vu-Topper RM

Return values in synchronous messages are:

A. Compulsory

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B. May not used when response is obvious

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C. Not used at all

D. Represented by solid lines

Question No:26

(Marks:1)

Vu-Topper RM

Which of the following is NOT among one of the four layers of the Object Oriented (OO) design pyramid

A. The subsystem layers

B. The class and object layer

C. The abstract layer

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ok

D. The message layers

Question No:27

(Marks:1)

Vu-Topper RM

System models include:

A. User business processes

B. User activities for conducting the business process

C. Processes that need to be automated

D. All of the given options

Question No:28

(Marks:1)

Vu-Topper RM

In the architecture trade-off analysis method the architectural style should be described using the

A. module view and process view

B. data Flow view and process view

C. data Flow view and module view

D. data Flow view , module view and process view

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Question No:29

(Marks:1)

Vu-Topper RM

A use case represents:

A. A class, its attributes and operations

B. An operation's interface and signature

C. The role a user plays when interacting with the system

Page 32

ok

D. The system's functionality for a particular purpose

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Question No:30

(Marks:1)

Vu-Topper RM

External entity may be:

A. Source of input data only

B. Source of input data and destination of results

ok

C. Destination of results

D. Repository of data

Question No:31

(Marks:1)

Vu-Topper RM

The process of utilizing our knowledge of computer science in effective production of software systems is called _____.

A. Chemical Engineering

B. Electrical Engineering

C. Computer Engineering

D. Software Engineering

Page 2

ok

Question No:32

(Marks:1)

Vu-Topper RM

Coupling is a measure of _____ of a module or component.

A. Independence

Page 72

ok

B. Dependence

C. Aggregation

D. Composition

Question No:33

(Marks:1)

Vu-Topper RM

_____ has become a standard notation for object oriented system modeling.

A. UML

B. C++

C. OCL(Object Constraint Language)

D. None of the given option

Question No:34

(Marks:1)

Vu-Topper RM

An arrow in Data Flow Diagram (DFD) represents

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A. Direction of flow of data ok

- B. Processing of data
- C. External agent
- D. Internal Agent

Question No:35

(Marks:1)

Vu-Topper RM

_____ diagrams does not capture control flow information, it just shows the flow of data in a system.

- A. Sequence
- B. Data Flow**
- C. Activity
- D. Class

Question No:36

(Marks:1)

Vu-Topper RM

In _____ the analyst determines all the sources of requirements and where do these requirements consume

- A. Data flow analysis
- B. Source and sink analysis** Page 40 ok
- C. Down parsing
- D. Up parsing

Question No:37

(Marks:1)

Vu-Topper RM

Data cannot flow from one external entity to other external entity because:

- A. It will get corrupted
- B. It is not allowed in DFD** Page 59 ok
- C. An external entity has no mechanism to read or write
- D. Both are outside the context of the system

Question No:38

(Marks:1)

Vu-Topper RM

In the functional design, the structure of the system resolves around:

- A. Objects
- B. Properties
- C. Functions**

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D. All of the given options

Question No:39

(Marks:1)

Vu-Topper RM

_____ is one of the techniques to document domain knowledge

A. State transition diagram

B. Feasibility matrix

C. System matrix

D. None of the given options

Question No:40

(Marks:1)

Vu-Topper RM

In case of _____ approach, decomposition of a problem revolves around data.

A. Object-Oriented

B. Action-Oriented

C. Event-Oriented

D. Process-Oriented

Page 80 ok

Question No:41

(Marks:1)

Vu-Topper RM

The _____ relationship is a kind of a generalization specialization relationship:

A. Bit-Byte

B. Uses

C. Binary

D. Extends

Question No:42

(Marks:1)

Vu-Topper RM

Strong cohesion implies that:

A. All parts of a component have a close logical relationship with each other ok

B. All parts of a component don't have a close relationship with each other

C. Component is dynamic in nature

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D. Component is static in nature

Question No:43

(Marks:1)

Vu-Topper RM

The intent of Object-Oriented Analysis(OOA) is to define:

- A. All classes
- B. Relationships among classes
- C. Behaviour of classes

D. All of the given options

Question No:44

(Marks:1)

Vu-Topper RM

Requirement engineering focuses on _____ aspect of the software development process.

A. Both what and how

B. What ok

C. How

D. Why and how

Question No:45

(Marks:1)

Vu-Topper RM

_____ relationship is concerned with classes not with the class instantiates.

A. Association

B. Inheritance ok

C. Aggregation

D. Composition

Question No:46

(Marks:1)

Vu-Topper RM

Which of the following statements are true in context of the object model deviation through the Coad methodology?

A place is also a contains

Every container needs to be a place

Same person may play different times in the system.

A. A only

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B. A and b

C. A and c

D. All of the given

Question No:47

(Marks:1)

Vu-Topper RM

The goal of _____ is to translate the customer's desire for a set of defined capabilities into a working product.

A. Electrical engineering

B. Product engineering

C. Hardware engineering

D. Mechanical engineering

Question No:48

(Marks:1)

Vu-Topper RM

In case of a _____ message, the called routine that handles the message is completed before the caller resumes execution.

a. Synchronous

b. Asynchronous

c. Bidirectional

A. A only

Page 108

B. B only

C. C only

D. All of the given

Question No:49

(Marks:1)

Vu-Topper RM

"A car is made up of a body, three or four wheels, a steering mechanism, a breaking mechanism, and a power-engine" The above statement is example of:

A. Whole-part relationship

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ok

B. Inheritance

C. Specialization

D. Generalization

Question No:50

(Marks:1)

Vu-Topper RM

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To help separate an object's external behavior from its implementation, the technique used is called _____.

- A. Generalization
- B. Association
- C. Composition

D. Abstraction

Page 86

ok

Question No:51

(Marks:1)

Vu-Topper RM

Sequences of messages can be present in:

Use case diagram

Sequence diagram

Collaboration diagram

- A. a only
- B. b only
- C. c only

D. b and c

Question No:52

(Marks:1)

Vu-Topper RM

Which of the following strategies lead to good software design:

- A. Separation of concerns
- B. Modularity
- C. Divide-and-conquer

D. All of the given options

Question No:53

(Marks:1)

Vu-Topper RM

Data flow model:

- A. Captures the flow of data in a system
- B. Helps in developing an understanding of system's functionality
- C. Describes data origination, transformations and consumption in a system

D. All of the given options

Question No:54

(Marks:1)

Vu-Topper RM

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_____ requirements are often called product features.

A. Functional

B. Non-functional

C. Developer

D. User

Question No:55

(Marks:1)

Vu-Topper RM

The first step in any OOA process model is to

A. Build an object-relationship model.

Page 90 ok

B. Define collaborations between objects.

C. Elicit customer requirements

D. Select a representation language

Question No:56

(Marks:1)

Vu-Topper RM

The _____ relationship is kind of a generalization specialization relationship.

A. Bit-byte

B. Uses

C. Binary

D. Extends

ok

Question No:57

(Marks:1)

Vu-Topper RM

Regarding data flow model, which of the following statement(s) is true:

A. It captures the transformation of data between processes/functions of a system

B. Processes on a data flow can operate in parallel

C. Only those processes are represented which we need to automate

D. All of the given option

Question No:58

(Marks:1)

Vu-Topper RM

In "Point of Sale system", the term "Payment" represents

A. Actor

B. Participant

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D. Container

Question No:59

(Marks:1)

Vu-Topper RM

The architecture components for product engineering are

A. Data, hardware, software, people

B. Data, documentation, hardware, software

C. Data, hardware, software, procedures

D. Documentation, hardware, people, procedures

Question No:60

(Marks:1)

Vu-Topper RM

An object model encompasses the principle(s) of

A. Abstraction

B. Encapsulation

C. Hierarchy or inheritance

D. All of the given option

Question No:61

(Marks:1)

Vu-Topper RM

Prototyping is used when there is _____ regarding requirements.

A. Uncertainty

B. Confirmation

C. Conflict

D. Consensus

Question No:62

(Marks:1)

Vu-Topper RM

In _____ phase of software development, Requirement Analyst focuses on possible design of the proposed solution.

A. Maintenance

B. Development

C. Definition

D. Vision

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Question No:63

(Marks:1)

Vu-Topper RM

At which stage of software development loop, results are delivered?

- A. Problem definition
- B. Solution integration**
- C. Technical development
- D. Status quo

ok

Question No:64

(Marks:1)

Vu-Topper RM

A class will be cohesive if:

- A. Class does not implement complex interfaces
- B. Class does not have complex methods
- C. If most of the methods do not use most of the data members most of the time
- D. If most of the methods use most of the data members most of the time.**

ok

Question No:65

(Marks:1)

Vu-Topper RM

A DFD is normally levelled (adding more levels of abstraction) as

- A. It is a good idea in design
- B. It is recommended by many experts
- C. It is easy to do it
- D. It is easier to read and understand a number of smaller DFDs than one large DFD**

Question No:66

(Marks:1)

Vu-Topper RM

Identify the true statement(s)

- A. An attribute that may have a number of values should be replaced by a new class and an object connection
- B. An attribute that varies over time, e.g. price of an item, should be replaced by an additional class with an affective data and value
- C. Replace “yes/no” type attribute with “status” type attributes for flexibility
- D. All of given option**

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Question No:67

(Marks:1)

Vu-Topper RM

_____ is a technique in which we construct a model of an entity based upon its essential characteristics and ignore the inessential details.

- A. Inheritance
- B. Polymorphism
- C. Aggregation

D. Abstraction

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ok

Question No:68

(Marks:1)

Vu-Topper RM

A structure is a manner of an organization which expresses a _____ strong organization within the problem domain.

- A. Semantically**
- B. Syntactically
- C. Graphically
- D. None of the given

Question No:69

(Marks:1)

Vu-Topper RM

To determine the architectural style or combination of styles that best fits the proposed system, requirements engineering is used to uncover

- A. Algorithmic complexity

B. Characteristics and constraints

Page 126

- C. Control and data
- D. Design patterns

Question No:70

(Marks:1)

Vu-Topper RM

Which statement is not according to the software engineering principles?
Software engineering is a(n) _____.

- A. Balancing act
- B. Disciplined approach
- C. Unsystematic approach**
- D. Quantifiable approach

Page 5

ok

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Question No:71

(Marks:1)

Vu-Topper RM

In order to determine the role and responsibilities of the identified objects, we need to consider which of the following step(s):

Who I am?

What I know?

Who I know?

What I do?

A. A only

B. A and b

C. B ,c and D

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ok

Question No:72

(Marks:1)

Vu-Topper RM

In Object Oriented Design, _____ layer contains the details that enable each object to communicate with its collaborators.

Subsystem

A. Responsibility

B. Message

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ok

C. Object

D. subsystem

Question No:73

(Marks:1)

Vu-Topper RM

In sequence diagram, the boxes denote:

A. Objects (or classes) **Page 106**

B. Messages, sent from one object to other

C. Life-time of objects

D. None of the given option

Question No:74

(Marks:1)

Vu-Topper RM

In "Railway ticket reservation system" the roles such as inquiry, reservation, ticketing and cancellation are to be performed by the user called:-

A. Passenger

ok

B. System analyst

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- C. System designer
- D. System developer

Question No:75 (Marks:1) **Vu-Topper RM**

Requirement engineering mainly deals with the _____ of the system.

- A. Vision phase
- B. Definition phase**
- C. Development phase
- D. Maintenance phase

Page 16

ok

Question No:76 (Marks:1) **Vu-Topper RM**

In UML based Object Oriented model of a system, a composition relation between two objects is shown by a _____ sign on the Whole side of a relation line.

- A. An unfilled diamond
- B. A filled diamond**
- C. A half diamond
- D. A dot

ok

Question No:77 (Marks:1) **Vu-Topper RM**

_____ analysis educates the analyst on business domain complexity and shows a way to deal with it.

- A. Domain**
- B. Use case
- C. Object collaboration
- D. None of the given options

Question No:78 (Marks:1) **Vu-Topper RM**

An architectural style encompasses which of the following elements?

- A. Semantic Models and Constraints
- B. Set of Components and Constraints
- C. Set of Components and Semantic Models

D. Constraints, Set of Components and Semantic Models Page 126

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Question No:79

(Marks:1)

Vu-Topper RM

Identify the true statement:

- A. Normally object-oriented design is more maintainable than functional oriented.** ok
- B. Software with functional oriented design does not fulfil non functional requirements.
- C. Object oriented design can not implement “separation of concerns” strategy
- D. Function oriented design does not lead to an efficient product

Question No:80

(Marks:1)

Vu-Topper RM

A maintainable design is a design, which supports

- A. Change
- B. Debugging
- C. Adding new features
- D. All of the given**

Question No:81

(Marks:1)

Vu-Topper RM

Whole part structure is also called _____

- A. Generalization
- B. Aggregation**
- C. Specialization
- D. Association

Question No:82

(Marks:1)

Vu-Topper RM

The system model template contains which of the following elements

- A. Input
- B. Out put
- C. System Out
- D. Input / Output** ok

Question No:83

(Marks:1)

Vu-Topper RM

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Modules with high cohesion and low coupling can be treated and analyzed as

- A. White boxes
- B. black boxes**
- C. grey boxes
- D. none of these

Question No:84

(Marks:1)

Vu-Topper RM

According to Caper Jones analysis of project activities, coding only has _____ affect part in system development.

- A. 13-14%**
- B. 36-40%
- C. 50-60%
- D. 70-80%

Question No:85

(Marks:1)

Vu-Topper RM

_____ is concerned with decomposing a system into interacting sub-systems.

- A. System structuring
- B. Control Modelling
- C. Modular Decomposition**
- D. None of the given

Page 121

Question No:86

(Marks:1)

Vu-Topper RM

In multiprocessing applications, different execution threads may pass information to one another by sending _____ to each other.

- A. Interrupt calls
- B. Synchronous messages
- C. Asynchronous messages**
- D. System calls

Question No:87

(Marks:1)

Vu-Topper RM

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In Abbot's Textual Analysis technique, different parts of speech are identified within the text of the specification and these parts are modeled using different _____ .

- A. Event
- B. Process
- C. Operations

D. Components

Page 90

ok

Question No:88

(Marks:1)

Vu-Topper RM

In object-oriented design, _____ layer contains the data structures and algorithmic design for all attributes and operations for each object.

A. Subsystem

B. Responsibility

Google

C. Message

D. Object

Question No:89

(Marks:1)

Vu-Topper RM

In the case of _____, intra component linkages are stronger while inter component linkages are weak.

A. High cohesion

B. Low coupling

Page 73

ok

C. Low cohesion

D. High coupling

Question No:90

(Marks:1)

Vu-Topper RM

A process in data flow diagram (DFD) represents

A. Flow of data

B. Transformation of data

ok

C. Storage of data

D. An external agent

Question No:91

(Marks:1)

Vu-Topper RM

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_____ are kind of umbrella activities that are used to smoothly and successfully perform the construction activities.

A. Design activities

B. Management activities

Page 14

ok

C. Testing activities

D. Maintenance activities

Question No:92

(Marks:1)

Vu-Topper RM

When you encounter both transform flow in the same DFD the flow is partitioned and the appropriate mapping technique is used on each part of the DFD.

A. True

B. False

Question No:93

(Marks:1)

Vu-Topper RM

Software architecture must address _____ requirements of a software system.

A. Functional

B. Non-functional

C. User Interface Requirements

D. Both functional and non-functional.

Question No:94

(Marks:1)

Vu-Topper RM

To construct a system model the engineer should consider one of the following restraining factors?

A. Assumptions and constraints

ok

B. Budget and expenses

C. Data objects and operations

D. Schedule and milestones

Question No:95

(Marks:1)

Vu-Topper RM

A cohesive Class is one which emphasizes on _____ unit of functionality

A. Single

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B. Multiple

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ok

C. Static

D. None

Question No:96

(Marks:1)

Vu-Topper RM

The best way to conduct a requirements validation review is to

A. Examine the system model for errors

B. have the customer look over the requirements

C. Send them to the design team and see if they have any concerns

D. Use a checklist of the questions to examine each requirement
ok

Question No:97

(Marks:1)

Vu-Topper RM

Defining the services of an object means:

A. What it does?

Page 96

B. Who knows it?

C. What it knows?

D. Whome it knows?

Question No:98

(Marks:1)

Vu-Topper RM

Which one of the following is the external quality of a software product?

A. Correctness

ok

B. Concision

C. Cohesion

D. Low coupling

Question No:99

(Marks:1)

Vu-Topper RM

In Data Flow Diagram, the entity or system, outside the boundary of this system is called:

A. Process

B. Data flow

C. External agent

ok

D. Data store

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Question No:100

(Marks:1)

Vu-Topper RM

GUI stands for:

- A. Genaric user Interface
- B. Graphical user interface**
- C. Genaric user interaction
- D. Graphical user interaction

ok

Question No:101

(Marks:1)

Vu-Topper RM

Specialization means:

- A. Calling the same method with the object of child object
- B. Hiding the data
- C. Creating new subclasses for an existing class**
- D. None of the given options

Page 86 ok

Question No:102

(Marks:1)

Vu-Topper RM

In use case diagram, an ellipse signifies a(n):

- A. Actor
- B. Class
- C. Use case**
- D. System boundary

ok

Question No:103

(Marks:1)

Vu-Topper RM

Software development is a step-by-step process, and in _____ phase of software development Business Objective of an organization gets cleared.

- A. Maintenance
- B. Development
- C. Definition

D. Vision

ok

Question No:104

(Marks:1)

Vu-Topper RM

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If you try to make software more user-friendly then the _____ may suffer.

- A. Reliability
- B. Software
- C. Efficiency**
- D. Cost

ok

Question No:105

(Marks:1)

Vu-Topper RM

In object-oriented design, the structure of the system revolves around.

- A. Objects**
- B. Properties
- C. Methods
- D. All of the given option

Question No:106

(Marks:1)

Vu-Topper RM

In _____ relationship, a class shares the structure and behavior defined in another class.

- A. Aggregation
- B. Composition
- C. Inheritance**
- D. Uses

Page 86

ok

Question No:107

(Marks:1)

Vu-Topper RM

In Object Oriented Design, combining the services offered by an object with the attributes they work on, results in:

- Lower coupling and strong cohesion
- Lower cohesion and strong coupling
- Increased likelihood of reuse
- Decrease the modularity of the system

- A. A only
- B. B and c only
- C. A and c only**

ok

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Question No:108

(Marks:1)

Vu-Topper RM

A change becomes _____ because of the close presence of data and functions

- A. Accessible
- B. Global
- C. Private

D. Localized

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ok

Question No:109

(Marks:1)

Vu-Topper RM

Software engineering is a _____ approach.

- A. Systematic
- B. Disciplined
- C. Scheduled

D. All of the given options

Question No:110

(Marks:1)

Vu-Topper RM

An external entity that interacts with a system is called a(n):

- A. Use case
- B. Actor
- C. Stakeholder
- D. Association

Question No:111

(Marks:1)

Vu-Topper RM

More powerful hardware resulted into the development of _____ powerful and _____ software.

- A. Less, complex

B. More, complex

Page 4

- C. More, simple

- D. Less, simple

Question No:112

(Marks:1)

Vu-Topper RM

A context diagram is used:

A. As a first step in developing a detailed DFD of a system ok

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- B. In systems analysis of very complex systems
- C. As an aid to system design
- D. As an aid to programmers

Question No:113

(Marks:1)

Vu-Topper RM

The architectural model provides the software engineer with the view of the system as a whole:

A. True

B. False

Question No:114

(Marks:1)

Vu-Topper RM

The system specification describes the:

A. Function and behavior of a computer-based system

B. Implementation of each allocated system element

C. Algorithmic detail and data structures

D. Time required for system simulation

Question No:115

(Marks:1)

Vu-Topper RM

In object oriented approach, _____ are the people and organizations that take part in the system under consideration.

A. Places

B. Actors ok

C. Participants

D. Tangible things

Question No:116

(Marks:1)

Vu-Topper RM

Software Design discusses _____ aspect of software development

A. What

B. How ok

C. Who

D. When

Question No:117

(Marks:1)

Vu-Topper RM

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_____ requirements cause frequent modifications in user interface.

- A. Functional
- B. Non-functional
- C. Unstable**
- D. User

Page 62

ok

Question No:118

(Marks:1)

Vu-Topper RM

By levelling a DFD (adding more levels of abstraction) we mean:

- A. Splitting it into different levels**
- B. Make its structure uniform
- C. Expanding a process into one with more sub-processes giving more detail
- D. Summarizing a DFD to specify only these essentials

Question No:119

(Marks:1)

Vu-Topper RM

A "register" in "Point of Sale system" is an example of:

- A. Actor
- B. Participant
- C. Tangible thing**
- D. Transaction

Page 100

ok

Question No:120

(Marks:1)

Vu-Topper RM

_____ is a set of processes and tools to develop software.

- A. Software engineering**
- B. Information
- C. Software
- D. None of the given

Question No:121

(Marks:1)

Vu-Topper RM

The _____ on which program operates is also considered as part of the software.

- A. Data**

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- B. Information
- C. Program
- D. None of the given

Question No:122

(Marks:1)

Vu-Topper RM

_____ diagram provides a time-based view and collaboration diagrams which provide an organization-based view of the system's dynamics.

- A. Data flow diagram
- B. Entity relationship diagram
- C. Class diagram
- D. Sequence diagram**

Question No:123

(Marks:1)

Vu-Topper RM

Synchronous messages are "call events" and are denoted by _____

- A. Full arrow**
- B. Half arrow
- C. <<create>>
- D. <<destroy>>

Question No:124

(Marks:1)

Vu-Topper RM

Which of the following are the components of system engineering software?

- A. Process
- B. Methods
- C. Tools
- D. All of the given**

Question No:125

(Marks:1)

Vu-Topper RM

Identifying system features include _____

- A. Log important information
- B. Conduct business
- C. Analyze business results

D. All of the above

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Question No:126

(Marks:1)

Vu-Topper RM

_____ is a technique that can be used to reduce customer dissatisfaction at requirement stage.

- A. Study of similar systems
- B. Site visits
- C. Prototyping**
- D. All of the above

Page 71

ok

Question No:127

(Marks:1)

Vu-Topper RM

Data store notation in DFD represents:

- A. Data input
- B. Data output
- C. Data input and data output**
- D. None of the above

Question No:128

(Marks:1)

Vu-Topper RM

The process of defining attributes is called _____

- A. Who know me?
- B. What I know?**
- C. Whom I know?
- D. All of the above

Page 95

Question No:129

(Marks:1)

Vu-Topper RM

The output of the design process is a description of the:

- A. Software architecture**
- B. Software Code
- C. Software
- D. All of the above

Question No:130

(Marks:1)

Vu-Topper RM

Which of the following are the levels of software requirements?

- A. Business requirements

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- B. User requirements
- C. Functional requirements
- D. All of the above**

Question No:131

(Marks:1)

Vu-Topper RM

Given below are some statements associated with data flow diagrams. Identify the correct statement among them.

- A. Data flow is made used of to model what systems do
- B. Flows of data can take place from a process to a sink
- C. Context diagrams shows the major system processes**
- D. All processes have to be labelled or decomposed

Page 94

Question No:132

(Marks:1)

Vu-Topper RM

In which of the following diagram the actors and attributes are represented with system boundary?

- A. Data flow diagram
- B. Entity relationship diagram
- C. Class diagram
- D. Use case diagram**

Question No:133

(Marks:1)

Vu-Topper RM

_____ is real looking mock_up of what would be eventually delivered and might not do anything useful.

- A. Study of similar system
- B. Site visits
- C. Prototyping**
- D. All of the above

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Question No:134

(Marks:1)

Vu-Topper RM

_____ is blueprint for software construction.

- A. Object oriented design**
- B. Sequence design
- C. Software design

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D. All of the above

Question No:135

(Marks:1)

Vu-Topper RM

_____ requirements lead to ill-spent time and rework.

A. Unacceptable

B. Ambiguous

C. Dissatisfaction of customer

D. None of the above

Question No:136

(Marks:1)

Vu-Topper RM

Which type of diagram is used to depict the dynamic behavior of a system.

A. ERD diagram

B. DFD diagram

C. Class diagram

D. Collaborations diagram

Question No:137

(Marks:1)

Vu-Topper RM

What is the most crucial non-functional requirement of a system to control radiation dosages that are emitted as treatment for cancer?

A. Security

B. Reliability

C. Easy usability

D. Accuracy

Question No:138

(Marks:1)

Vu-Topper RM

A better design has an objective achieve

A. High cohesion

B. Low cohesion

C. Low coupling

D. High cohesion and low coupling

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Question No:139

(Marks:1)

Vu-Topper RM

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Which of the following are the components of software engineering framework is combine the three remaining components?

- A. Process
- B. Method
- C. Tools**
- D. All of the above

Question No:140

(Marks:1)

Vu-Topper RM

In sequence diagrams the time required by the receiver object to process the message is denoted by an _____

- A. Activation box** **Page 108**
- B. Message line
- C. Life line
- D. All of the above

Question No:141

(Marks:1)

Vu-Topper RM

How many types of OOD modes have _____?

- A. One
- B. Two**
- C. Three
- D. Four

Question No:142

(Marks:1)

Vu-Topper RM

Which notation is used to represent the process of the system in DFD model?

- A. Process**
- B. External agent
- C. Data flow
- D. Data store

Question No:143

(Marks:1)

Vu-Topper RM

Insufficient user involvement leads to _____ products.

- A. Unacceptable** **Page 19**

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- B. Ambiguous
- C. Dissatisfaction of customer
- D. None of the above

Question No:144 (Marks:1) **Vu-Topper RM**
Collaboration diagrams have basically two types of components: objects and _____

- A. Messages** **Page 111**
- B. Method
- C. Classes
- D. None of the above

Question No:145 (Marks:1) **Vu-Topper RM**
In object-oriented analysis how many number of tasks must occurs _____.

- A. 1
- B. 2**
- C. 3
- D. None of the above

Question No:146 (Marks:1) **Vu-Topper RM**
State transition diagram is helpful in determining _____.

- A. Data store
- B. Process flow
- C. Business understanding** **Page 52**
- D. None of the above

Question No:147 (Marks:1) **Vu-Topper RM**
In sequence diagram events are organized in a _____ time life line.

- A. Vertical** **Page 106**
- B. Horizontal
- C. Both A and B
- D. All of the above

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Question No:148

(Marks:1)

Vu-Topper RM

Asynchronous messages are “signals,” denoted by _____.

- A. Full arrow**
- B. Half arrow
- C. <<create>>
- D. <<destroy>>

Question No:149

(Marks:1)

Vu-Topper RM

When we write a program for computer and then we named it as _____ .

- A. Data
- B. Information
- C. Software**
- D. None of the given

Question No:150

(Marks:1)

Vu-Topper RM

Context level diagram present in which of the following document.

- A. SRS-software requirement specification**
- B. Design document
- C. Test phase
- D. All of the above

Question No:151

(Marks:1)

Vu-Topper RM

_____ is diagram in which objects are interact with each other and these are arranged in a sequence.

- A. ERD diagrams
- B. Inheritance diagrams
- C. Class diagrams
- D. Sequence diagrams**

Question No:152

(Marks:1)

Vu-Topper RM

Which of the following layers are include in object-oriented design?

- A. The subsystem layers
- B. The class and object layer

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C. All of the above

D. The message layers

Question No:153

(Marks:1)

Vu-Topper RM

Which notation is used to represent the boundary of the system in DFD model?

A. Process

B. External agent

C. Data flow

D. Data store

Question No:154

(Marks:1)

Vu-Topper RM

Identifying Whole-Part structures (Aggregations) means what are my

A. Components Page 94

B. Structures

C. Class

D. Object

Question No:155

(Marks:1)

Vu-Topper RM

An object or class may further be classified on the basis of _____ .

A. Behaviour driven attributes

B. Data driven attributes

C. Responsibility driven attributes

D. All of the above Page 85

Question No:156

(Marks:1)

Vu-Topper RM

DFD notation contains

A. Process

B. External agent

C. Data flow

D. All of the above Page 51

Question No:157

(Marks:1)

Vu-Topper RM

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The dotted lines in sequence diagram are called ____ .

- A. Life line**
- B. Message line
- C. Entities line
- D. All of the above

Question No:158

(Marks:1)

Vu-Topper RM

An object may create another object via a _____ message .

- A. Full arrow
- B. half arrow
- C. <<create>>**
- D. <<destroy>>

Question No:159

(Marks:1)

Vu-Topper RM

How many levels of software requirements are _____ ?

- A. One
- B. Two
- C. Three
- D. Four**

Question No:160

(Marks:1)

Vu-Topper RM

Which of the items listed below is not one of the software engineering layers?

- A. Tools
- B. Manufacturing**
- C. Process
- D. Methods

Question No:161

(Marks:1)

Vu-Topper RM

Software maintenance phase involves

- A. Debugging
- B. Adding new features
- C. Making changes

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D. All of the given

Question No:162

(Marks:1)

Vu-Topper RM

The hardest single part of building a software system is deciding precisely _____ to build.

A. When

B. What **Page 17**

C. Why

D. All of the given

Question No:163

(Marks:1)

Vu-Topper RM

Interaction diagrams depict the _____ behaviour of the system.

A. Static

B. Active

C. Dynamic **Page 106**

D. None of the given

Question No:164

(Marks:1)

Vu-Topper RM

A _____ can be used to describe the dynamic behavior of an object-oriented system.

A. ERD diagrams

B. Inheritance diagrams

C. Class diagrams

D. Series diagrams

Question No:165

(Marks:1)

Vu-Topper RM

The Use case diagram shows that which _____ interact with each use case.

A. Use case

B. Actor **Page 32**

ok

C. Component

D. Relation

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Question No:166

(Marks:1)

Vu-Topper RM

Transactions are the _____ that must be remembered through time.

A. Events

Page 93

ok

B. Action

C. Triggers

D. Methods

Question No:167

(Marks:1)

Vu-Topper RM

As per Peter Coad's methodology, which of the following may not be a perfect candidate for being an object?

A. Zone

B. Recipient

C. Garage

D. Password

Page 93

ok

Question No:168

(Marks:1)

Vu-Topper RM

A necessary supplement to transform or transaction mapping needed to create a complete architectural design is

A. Entity relationship diagrams

B. The data dictionary

C. Processing narratives for each module

D. Best cases for each module

Question No:169

(Marks:1)

Vu-Topper RM

By leveling a DFD (adding more levels of abstraction) we mean

A. Make its structure uniform

B. Splitting it into different level

C. Summarizing a DFD to specify only the essentials

D. Expanding a process into one with more sub-processes giving more detail

ok

Question No:170

(Marks:1)

Vu-Topper RM

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By following modern system engineering practices simulation of reactive systems is no longer necessary

- A. True
- B. False**

Question No:171

(Marks:1)

Vu-Topper RM

The state transition diagram

- A. depicts relationships between data objects
- B. depicts functions that transform the data flow
- C. indicates how data are transformed by the system
- D. indicates system reactions to external events**

Question No:172

(Marks:1)

Vu-Topper RM

Control flow diagrams are

- A. Needed to model event driven systems.**
- B. required for all systems
- C. used in place of data flow diagrams
- D. useful for modelling user interfaces

Question No:173

(Marks:1)

Vu-Topper RM

A complex System evolves from a

- A. Smaller system** **Page 83**
- B. medium system
- C. bigger system
- D. non of the given

Question No:174

(Marks:1)

Vu-Topper RM

A poorly designed interface can cause a user to make catastrophic errors is one of the motivations for GUI.

- A. True** **Page 62**
- B. False

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Question No:175

(Marks:1)

Vu-Topper RM

Establishing responsibilities for objects includes

- A. Generalization Relationships
- B. Specialization Relationships

C. All of the above

Page 86

Question No:176

(Marks:1)

Vu-Topper RM

Which of the following is a fact finding method?

- A. Site visits
- B. Prototyping**
- C. Study of similar systems
- D. All of given

Question No:177

(Marks:1)

Vu-Topper RM

Windows mobile is a popular mobile operating system which seen commonly on PDAs. Which of the following category pair(s) best describe(s) it?

- A. Application software, embedded software**
- B. system software, web-based software
- C. application software, scientific software
- D. system software, embedded software

Question No:178

(Marks:1)

Vu-Topper RM

The Object-Oriented approach

- A. Improves the reusability of codes. Page 83**
- B. makes objects less independent.
- C. increases testing time.

Question No:179

(Marks:1)

Vu-Topper RM

Most software continues to be custom built because

- A. Software is easier to build without using someone else's components.
- B. Off the shelf software components are not commonly available**

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- C. Component reuse is common in the software world
D. Reusable components are too expensive to use

Question No:180

(Marks:1)

Vu-Topper RM

Which of these people would not be likely to part of the FAST team?

- A. hardware and software engineers
B. manufacturing representative
C. marketing representatives

D. Senior financial officers

Page 305

Question No:181

(Marks:1)

Vu-Topper RM

System Architecture is important to consider because it helps in making

- A. Mutual communication.
B. Early design decisions.
C. Reusable abstraction of a system.

D. All of the above

Page 118

Question No:182

(Marks:1)

Vu-Topper RM

Software architecture is "the ----- of the components of a program/system, their interrelationships, and principles and guidelines governing their design and evolution over time."

- A. combination
B. collection
C. structure
D. unification

Page 117

Question No:183

(Marks:1)

Vu-Topper RM

UML (unified modeling language) analysis modeling focuses on the

- A. behavioral model and environment model.
B. behavioral model and implementation model.

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C. user model and environmental model

D. user model and structural model

Page 604

Question No:184

(Marks:1)

Vu-Topper RM

DFD Notation contains

- A. Data Store
- B. Extenal Agents
- C. Processes

D. All of the given

Page 51

Question No:185

(Marks:1)

Vu-Topper RM

Which one is not the purpose of Interaction Diagrams ?

- A. Model interactions between objects
- B. Assist in understanding how a system (a use case) actually works
- C. Identify responsibilities/operations and assign them to classes

D. Identify dependencies among objecs

Page 106

Question No:186

(Marks:1)

Vu-Topper RM

The scope description establishes the -----between the system we are developing and everything else in the universe

A. Boundary

Page 31

- B. Balance
- C. Constraint
- D. None of the given

Question No:187

(Marks:1)

Vu-Topper RM

Which one is not a type of messages which Sequence Diagrams Depict

- A. Synchronous
- B. Asynchronous
- C. Create

D. Update

Page 108

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Question No:188

(Marks:1)

Vu-Topper RM

What would be the most suitable architecture to develop a commercial

- A. web page to do business
- B. transactions over the internet?

C. Client server model

Page 129

D. Island model

Question No:189

(Marks:1)

Vu-Topper RM

Which view should be consider first during software requirements analysis?

- A. actor view
- B. data view
- C. essential view

D. implementation view

Page 316

Question No:190

(Marks:1)

Vu-Topper RM

State Transition Diagram is helpful in determining

A. Business Understanding

Page 52

- B. Process Flow
- C. Data store
- D. Non of the given

Question No:191

(Marks:1)

Vu-Topper RM

The output of this design process is a description of the

A. Software Architecture

Page 115

- B. Software Code
- C. Software
- D. Non of the above

Question No:192

(Marks:1)

Vu-Topper RM

Project ----- defines the concept and range of the proposed solution, and limitations identify certain capabilities that the product will not include

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A. Scope **Page 30**

- B. Agreement
- C. Plan
- D. None of the given

Question No:193 (Marks:1) **Vu-Topper RM**

A cohesion class is one which emphasize -----unit of-----.

- A. Single and multiple.
- B. Multiple and functionality
- C. Functional and single

D. Single and functional **Page 72**

Question No:194 (Marks:1) **Vu-Topper RM**

Flow charts represent.

A. Sequence **Page 50**

- B. Random
- C. Parallel
- D. Non of above

Question No:195 (Marks:1) **Vu-Topper RM**

----- gives OO the ability to handle essential

A. Decentralization **Page 80**

- B. Centralization
- C. Decentralization and Centralization
- D. Non of above

Question No:196 (Marks:1) **Vu-Topper RM**

In sequence Diagram events are organized in a-----time line

A. Vertical **Page 106**

- B. horizontal
- C. Vertical and Horizontal
- D. Non of above

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Question No:197

(Marks:1)

Vu-Topper RM

Asynchronous messages are denoted

A. Half Arrow Page 109

B. Simple Line

C. Full Arrow

D. Non of above

Question No:198

(Marks:1)

Vu-Topper RM

Software crisis came in 1960 what is the main reason to for the crisis

A. Software development technique Page 4

B. Hardware

C. Software

D. Non of above

Question No:199

(Marks:1)

Vu-Topper RM

UML stands for _____

A. United Method Language

B. Usable Modeling Language

C. Unified Modeling Language Page 92 ok

D. Universal Modeling Language

Question No:200

(Marks:1)

Vu-Topper RM

The condition that must be met before the use case can be invoked, is called:

A. Pre-Assertion

B. Post-Assertion

C. Pre-condition Google ok

D. Post-Condition

Question No:201

(Marks:1)

Vu-Topper RM

An attribute that varies over time, e.g., price of an item, should be replaced by a/an _____ with an effective date and value

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A. Structure

B. Interface

C. Additional Class

Page 95

ok

D. Additional Method/Function

Question No:202

(Marks:1)

Vu-Topper RM

The project manager would need _____ document to monitor and track the progress of the project.

A. Design

B. Project

C. Planning

D. Requirements

Page 18

Question No:203

(Marks:1)

Vu-Topper RM

A prototype is not the real product. It is rather just a real looking _____ of what would be eventually delivered and might not do anything useful.

A. Ad-hoc

B. Design

C. Mock-up

Page 68

ok

D. Structure

Question No:204

(Marks:1)

Vu-Topper RM

The context diagram is used as the top level abstraction in a _____ developed according to principles of structured analysis.

A. Activity Diagram

B. Dataflow diagram

Page 31

ok

C. USE Case Diagram

D. State Transition Diagram

Question No:205

(Marks:1)

Vu-Topper RM

Construction activities are directly related to software _____.

A. Planning

B. Management

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C. Development **Page 11**

D. Quality Assurance

Question No:206 (Marks:1) **Vu-Topper RM**

Many of the problems encountered in Software development are attributed to shortcoming in _____.

- A. Testing
- B. Coding
- C. Maintenance

D. Requirement gathering **Page 17** **ok**

Question No:207 (Marks:1) **Vu-Topper RM**

In a top-down system analysis, a/an _____ is required to develop high level view of the system at first.

- A. Tester
- B. Analyst**
- C. Designer
- D. Developer

Page 54 **ok**

Question No:208 (Marks:1) **Vu-Topper RM**

Which one is not a part of Software Development phase ?

- A. Construction
- B. Project Vision
- C. Scope**
- D. Definition

ok

Question No:209 (Marks:1) **Vu-Topper RM**

In software engineering paradigm, any engineering approach must be founded on organizational commitment to _____.

- A. Cost
- B. Quality**
- C. Scheduling
- D. Scheduling

Page 15 **ok**

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Question No:210

(Marks:1)

Vu-Topper RM

Which of the given component of software engineering framework demands Rational and Timely development of a software?

A. Tools

B. Methods

C. Quality Focus

ok

D. Processes

Question No:211

(Marks:1)

Vu-Topper RM

System _____ are built to allow the System Engineer to evaluate the system components in relationship to one another.

A. Models

Page 42

ok

B. Test cases

C. Documents

D. Requirements

Question No:212

(Marks:1)

Vu-Topper RM

The data on which the program operates is also considered as part of the_____.

A. Software

Page 1

ok

B. Logical Data

C. Important Data

D. Utility Software

Question No:213

(Marks:1)

Vu-Topper RM

Include and extend relationship is used in UML notation of a/an _____.

A. Activity Diagram

B. Use Case Model

ok

C. Data Flow Diagram

D. Entity Relationship Diagram

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Question No:214

(Marks:1)

Vu-Topper RM

Arranging information in _____ form makes it easy to read, understand and comprehend as compared to streams of text.

A. Rows

B. Tabular ok

C. Columns

D. Paragraph

Question No:215

(Marks:1)

Vu-Topper RM

Which of the given component of software engineering framework provides different techniques that can be used to perform a particular task?

A. Tools

B. Methods Page 12 ok

C. Processes

D. Quality Focus

Question No:216

(Marks:1)

Vu-Topper RM

All the documents related to the software are also considered as part of the _____.

A. Software ok

B. Logical Document

C. Physical Document

D. Relational Database

Question No:217

(Marks:1)

Vu-Topper RM

A software requirement document describes all the _____ provided by the system along with the constraints under which it must operate.

A. Events

B. Services Page 23 ok

C. Processes

D. Conditions

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Question No:218

(Marks:1)

Vu-Topper RM

_____ component of software engineering framework provides automated or semi-automated support in a software development.

A. Tools ok

B. Methods

C. Processes

D. Quality Focus

Question No:219

(Marks:1)

Vu-Topper RM

Use case construction is a technique used for:

A. Database design.

B. User interface design.

C. Requirements structuring. ok

D. Requirements determination.

Question No:220

(Marks:1)

Vu-Topper RM

In use case diagram, the scope of the system is defined by:

A. Actor

B. Entity

C. Extends

D. System Boundary ok

Question No:221

(Marks:1)

Vu-Topper RM

_____ structure represents the internal organization of the various data and control items.

A. Data

B. Value

C. Conceptual

D. Information

Question No:222

(Marks:1)

Vu-Topper RM

In Data Flow Diagram (DFD), data flow can:

A. Only terminate in an external entity

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B. Only originate from an external entity

C. Originate and terminate in an external entity ok

D. Either originate or terminate in an external entity but not both

Question No:223

(Marks:1)

Vu-Topper RM

In data flow diagram (DFD), Create, Update, Delete and Read operations are normally called:

A. DURC operations

B. CRUD operations

Page 53

C. RUDC operations

D. CDUR operations

Question No:224

(Marks:1)

Vu-Topper RM

There are _____ most important characteristics of an object.

A. One

B. Two

C. Four

D. Three

ok

Question No:225

(Marks:1)

Vu-Topper RM

Which of the following is not the object model principle?

A. Exposure

Page 86

ok

B. Abstraction

C. Encapsulation

D. Hierarchy or inheritance

Question No:226

(Marks:1)

Vu-Topper RM

"System should maintain transaction log of every transaction" The above statement is an example of

A. Pseudo requirement

B. Functional requirement

ok

C. Non-functional requirement

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D. Both Non-functional and Pseudo requirements

Question No:227

(Marks:1)

Vu-Topper RM

While establishing the services for an object, the goal is to keep data and action together for _____ coupling and _____ cohesion.

A. Higher, Lower

B. Lower, Lower

C. Lower, Higher

ok

D. Higher, Higher

Question No:228

(Marks:1)

Vu-Topper RM

_____ of the total cost of the software development is spent on maintenance.

A. Six third

B. Two third

C. Four third

D. Eight third

Question No:229

(Marks:1)

Vu-Topper RM

_____ is not the part of Peter Coad methodology.

A. Select places

B. Select actors

C. Select actions

ok

D. Select participants

Question No:230

(Marks:1)

Vu-Topper RM

Which of the following sentence is true regarding user interface design?

A. The simpler the interface, the efficient is the system **ok**

B. The higher the response time, the better is the interface

C. Command-line interfaces are faster for some tasks which the user needs to perform

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D. GUI interfaces are good for all tasks which a user needs to perform at an interface.

Question No:231

(Marks:1)

Vu-Topper RM

In the case of _____ in a system, module boundaries are not well defined.

- A. low coupling
- B. high cohesion
- C. high coupling**
- D. low cohesion

ok

Question No:232

(Marks:1)

Vu-Topper RM

In UML Object Model Notation _____

- A. Mathematical problems are visualized
- B. C++ language-specific programs are constructed
- C. Relationships among classes and sub-classes are expressed**

Page 92

ok

D. Graphs and tables are used to explain Software Engineering principles

Question No:233

(Marks:1)

Vu-Topper RM

Data Flow Diagram (DFD), one data store cannot directly copy the data from another _____ .

- A. Flow
- B. Agent
- C. Process

D. Data store

Question No:234

(Marks:1)

Vu-Topper RM

From the following which is/are not the example(s) of illegal data flow in Data Flow Diagram (DFD)

- A. External Agent updating information in a DataStore
- B. External Agent accessing information from a Data Store
- C. External Agents directly communicating with each other

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D. There must be an intermediate process which should transform data received from one external entity and then send the transformed data to the other external entity ok

Question No:235

(Marks:1)

Vu-Topper RM

The modules that interact with each other through message passing have _____.

- A. Low Cohesion
- B. High Cohesion
- C. High Coupling
- D. Low Coupling**

Page 74

ok

Question No:236

(Marks:1)

Vu-Topper RM

_____ is an extremely powerful technique for dealing with complexity.

- A. Association
- B. Inheritance
- C. Abstraction**
- D. Aggregation

Page 86

ok

Question No:237

(Marks:1)

Vu-Topper RM

In Abbot's Textual Analysis technique, the proper noun (e.g. Mehdi Hassan) represents

- A. Class
- B. Instance**
- C. Inheritance
- D. Aggregation

Page 90

ok

Question No:238

(Marks:1)

Vu-Topper RM

A tangible entity in the real life is called _____.

- A. Class
- B. Object**
- C. Function

Page 85

ok

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D. Sub-Class

Question No:239

(Marks:1)

Vu-Topper RM

In UML based Object Oriented model of a system, the association relation between two objects is depicted by _____.

A. A straight line

ok

B. An arrowhead sign on one side of the line

C. A filled diamond sign on the Whole side of the line

D. An unfilled diamond sign on the Whole side of the line

Question No:240

(Marks:1)

Vu-Topper RM

Software Engineering is the combination of tools, techniques and _____.

A. Design

B. Testing

C. Processes

Page 6

ok

D. Maintenance

Question No:241

(Marks:1)

Vu-Topper RM

In UML based Object Oriented model of a system, the inheritance relation between two classes is shown by a _____ sign towards the super-class side on the association line between the two.

A. An arrowhead

Page 92

ok

B. A filled diamond

C. A half arrowhead

D. An unfilled diamond

Question No:242

(Marks:1)

Vu-Topper RM

When two components of a system are using the same global data area, they are related as

A. Data Coupling

B. Content Coupling

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C. External Coupling

D. Common Coupling

Google

ok

Question No:243

(Marks:1)

Vu-Topper RM

A context diagram:

A. is a detailed description of a system

ok

B. describes detailed design of a system

C. is not used in drawing a detailed DFD

D. is a DFD which gives an overview of the system

Question No:244

(Marks:1)

Vu-Topper RM

In UML based Object Oriented model of a system, the diamond sign is used to depict _____ relations between two objects/classes.

A. Inheritance and Association

B. Aggregation and Association

C. Composition and Aggregation

D. Composition, Aggregation and Association

Question No:245

(Marks:1)

Vu-Topper RM

In _____ phase of software development, Requirement Engineer focuses on realizing the Business Object of an under developed product.

A. Vision

Page 14

B. Definition

C. Maintenance

D. Development

Question No:246

(Marks:1)

Vu-Topper RM

In Data Flow Diagram (DFD), one data store cannot directly copy the data from another _____ .

A. Flow

B. Agent

C. Process

D. Data store

ok

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Question No:247

(Marks:1)

Vu-Topper RM

The modules interacting with each other through message passing have _____ between them.

- A. low cohesion
- B. high cohesion
- C. high coupling

D. low coupling **Page 74** **ok**

Question No:248

(Marks:1)

Vu-Topper RM

Which elements of business processing engineering are the responsibilities of the software engineer?

- A. Product planning
- B. Business area analysis
- C. Business system design**
- D. Information strategy planning

ok

Question No:249

(Marks:1)

Vu-Topper RM

In object oriented design, _____ layer contains the data structures and algorithmic design for all attributes and operations for each object.

- A. Message
- B. Subsystem
- C. Responsibility**
- D. Class and Object

Page 89 **ok**

Question No:250

(Marks:1)

Vu-Topper RM

In sequence diagram, the solid lines depict:

- A. Objects (or classes)
- B. Messages being sent from one object to the other**
- C. Life-time of objects
- D. None of the given option

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Question No:251

(Marks:1)

Vu-Topper RM

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Architectural design process involves performing a number of activities which includes system structuring, control modeling and _____ .

- A. Testing
- B. System Analysis
- C. Modular Decomposition**
- D. Graphical User Interface

Page 120

Question No:252

(Marks:1)

Vu-Topper RM

Which of the following is not part of software architecture?

- A. Database
- B. Data design
- C. Program structure
- D. Algorithm details**

Question No:253

(Marks:1)

Vu-Topper RM

Performance, Security and maintainability are the types of _____ requirements.

- A. Domain
- B. Business
- C. Functional
- D. Non-Functional**

Question No:254

(Marks:1)

Vu-Topper RM

Return values in Synchronous messages are represented by:

- A. A solid line
- B. Double line
- C. A solid line with label
- D. A dotted line with label**

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