



Course: Software Engineering and Project Management
 Course Code : CSEG 2008
 Programme : B.Tech CSE-BAO/ECRA/BFSI/OGI

Semester :IV
 Time :2 Hours
 Max. Marks :100

Test Information

Description
 Instructions All questions are compulsory.
 There are total 60 questions.
 Maximum Time Limit : 2 Hours.

Timed Test This test has a time limit of 2 hours. This test will save and be submitted automatically when the time expires. Warnings appear when **half the time, 5 minutes, 1 minute, and 30 seconds** remain. *[The timer does not appear when previewing this test]*
 Multiple Attempts Not allowed. This Test can only be taken once.
 Force Completion This Test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test.

Question Completion Status:

-
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QUESTION 1

1 points Save Answer

The angular dimension in the spiral model represents
 cost incurred in the project so far
 failure part of the project
 progress made so far in the current phase
 All of the above

QUESTION 2

2 points View Answer

Which of the following is known as classical life cycle process model
 Water fall model
 prototyping model
 RAD
 All of the above

QUESTION 3

2 points Save Answer

Good SRS should not include
 Functional Requirement
 Non Functional Requirement
 Goals of Implementations
 Algorithms for software implementations

QUESTION 4

Project scope management has following processes 1.collect requirements 2.Plan scope management 3.Define scope 4.Create WBS

1 points [Save Answer](#)

- 1-2-3-4
- 3-4-2-1
- 2-1-3-4
- 1-3-2-4

QUESTION 5

2 points [Save Answer](#)

"If N is the number of decision and loop statements of a program, then the McCabe's metric is equal to _____"

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

- N+1
- N+2

[Save All Answers](#)

[Save and Submit](#)

N-1

QUESTION 61 points

"Among all phases of software development, an undetected error from the design phase that ultimately gets detected during the system acceptance test costs the maximum."

- True
 False

QUESTION 72 points

What could be the boundary value test suite for a function that computes the square root of the integer values in the range of 0 and 5000

- "0,-1,5000,5001"
 "0,+1,500.5001"
 "0,-2,5050,5001"
 None of these

QUESTION 82 points

What will be the cyclomatic complexity of the following code :

```
void main()
{
  int a,b,c;
  cout << "Enter any two numbers";
  cin >> a >> b;
  if(a>b)
  {
    cout << " Largest no. is =" <<a ;
  }
  else
  cout <<"Largest no. is =" << b;
}
```

- 4
 1
 3
 2

QUESTION 91 points

What tool or technique a project manager use to control scope?

- Variance Analysis
 Inspection
 Expert Judgment
 Product Analysis

QUESTION 102 points

Which of the following is not a software life cycle model?

- Capability maturity model
 Water fall model
 Spiral Model
 Prototyping Model

QUESTION 112 points

"Size of organic type software product 32000 LOC.Avg. salary of Software engineer 15000 per month. Determine effort and dev. Time?"

- "Effort =91 PM, dev time =14 months"
 "Effort=92, dev time=15months"
 "Effort=93, dev time=16 months"
 "effort=95,dev time=16months"

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

- 589.1
- 586.5
- 590.15
- 587.1

2 points

QUESTION 13

In spiral model during _____ phase alternative solutions are evaluated to select the best possible solution

- Fourth
- Third
- Second
- First

2 points

QUESTION 14

Withdraw cash from ATM falls under

- Constraint requirement
- Functional Requirement
- Non Functional Requirement
- None of the Above

2 points

QUESTION 15

Which of the following suits maximum for FP analysis?

- It is restricted to code
- It's language dependent
- Less accurate than LOC
- None of these

2 points

QUESTION 16

What will be the cyclomatic complexity for a flow graph having number of edges 9 and number of nodes 7?

- 4
- 5
- 6
- 8

2 points

QUESTION 17

Context diagram should depict the system as a

- double bubble
- Single bubble
- Triple bubble
- None of the Above

2 points

QUESTION 18

Which of these is a user requirement

- allow an authorized user to post a message of no more than 136 characters to the face book POST API
- Allow the user to post a message to Facebook
- Retry posting the message upto 3 times every 5 minutes if the post is rejected by the server
- use the mariaDB data base for internal data persistence

2 points

QUESTION 19

Use case represents a _____ model of a system

- Non functional
- theoretical
- Functional
- None of the Above

2 points

QUESTION 20

In the V model testing activity is spread over _____ life cycle.

- Entire
- half of

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers

Save and Submit

QUESTION 212 points

Beta testing is carried by

- project manager
- end users
- development team
- All of the above

QUESTION 222 points

Program volume in Halstead's software science is the _____ needed to encode the program.

- minimum number of bits
- maximum number of bits
- moderate number of bits
- None of these

QUESTION 232 points

Identification of use cases involve

- brain storming and reviewing SRS document
- only brain storming
- Only reviewing SRS document
- None of the Above

QUESTION 242 points

"During requirement analysis ,the analyst needs to identify and resolve "

- anomaly
- Inconsistency
- Incompleteness
- All of the above

QUESTION 252 points

The development is supposed to proceed linearly through the phase in

- spiral model
- prototype model
- RAD
- Waterfall

QUESTION 261 points

Spiral model can be viewed as meta model

- True
- False

QUESTION 272 points

Functional requirement describes :

- Human computer interfaces
- Security and maintainability
- Usability
- high level requirements

QUESTION 281 points

Which one of the following SDLC models can be considered to be more effective for the determination of the exact customer requirements?

- Iterative water fall model
- V-model
- Prototyping model
- Classical water fall model

1 points

QUESTION 29

Prototyping model is not useful for a software project for which certain technical issues are not clear to the development team

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers

Save and Submit

QUESTION 301 points [Save Answer](#)

RAD model was proposed by :

- Lucent Technologies
- Motorola
- Microsoft
- IBM

QUESTION 31

2 points

[Save Answer](#)

Software crisis in the Programmer's point of view :

- Problem of Compatability
- Problem of Portability
- Problem in documentation
- All of the above

QUESTION 32

1 points

[Save Answer](#)

Which of the following individual is most crucial in validating scope?

- Program Manager
- Project Manager
- Project Sponsor or customer
- Quality Assurance Manager

QUESTION 33

2 points

[Save Answer](#)

V model is _____ than iterative water fall model.

- Comparatively slower
- Comparatively faster
- Almost same in terms of product development
- None of the Above

QUESTION 34

1 points

The number of phases in the spiral life cycle model is not fixed and is normally determined by the project manager as the project progresses

- True
- False

QUESTION 35

1 points

Draw back of water fall model

- difficult to define all requirements at the beginning
- It involves heavy documentation
- There is no risk analysis
- All of the above

QUESTION 36

2 points

White box testing includes test cases that

- guarantee all the independent paths within a module have been exercised at least once
- exercise all loops at their boundaries
- exercise all logical decisions on their true false side
- All of the above

QUESTION 37

2 points

Draw back/s of Function Point

- Difficult to automate
- Difficult to compute
- Ignores quality of output
- All of the above

[Save Answer](#)

QUESTION 38

1 points

Which of the following statement/s is/are correct :

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers

Save and Submit

QUESTION 391 points

Which of the following is contained in the project charter but not the project scope statement?

- Progressively elaborated project description
- Project purpose or justification
- Acceptance criteria
- Project deliverables

QUESTION 402 points

Users of SRS documents

- Users and marketing personnel
- Software developers
- Test Engineers
- All of the above

QUESTION 411 points

Which of the following are responsibilities of a project manager?

- managing human resources
- Risk Analysis at every phase
- act as project spokesperson
- All of the above

QUESTION 422 points

Which of the following is true about DFD :

- DFD is a type of flow chart
- It considers logical decisions
- It shows the flow of data through the system
- All of the above

QUESTION 432 points

Which of the following is/are the weakness of waterfall model :

- requirements frozen early
- long cycle time
- disallow changes in between
- All of the above

QUESTION 442 points

Calculate the development time and effort for the embedded software product whose LOC is 30,000.

- Effort=213 PM, Development Time=14 months
- Effort=214 PM, Development Time=15 months
- Effort=215, Development Time=13 months
- Effort=216, Development Time=13 months

QUESTION 452 points

What is requirement specification ?

- A process how the requirements are written(specified)
- "A product, a written specification of the requirements"
- Both
- Neither

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

"An SRS document, should clearly document "

- Functional Requirement
- Non Functional Requirement
- Goals of Implementations
- All of the above

QUESTION 47

1 points

Error detection techniques equal

- Verification techniques
- Validation techniques
- Both verification and validation
- None of these

QUESTION 48

1 points

DFD represents

- data flow
- control information
- both data and control information
- None of these

QUESTION 49

2 points

The Use Cases must be named from

- User's perspective
- Developer's perspective
- Both user and developer's perspective
- None of the Above

QUESTION 50

1 points

Third level of spiral model evaluates the alternative solutions to select the best possible solutions

- True
- False

QUESTION 51

1 points

Requirement describes _____

- What
- how
- Both
- None of the Above

QUESTION 52

2 points

In use case diagram each stick person icon is referred to as an

- Actor
- player
- Developer
- Designer

QUESTION 53

1 points

Software Engineering principles use two important techniques to reduce problem complexity:

- Abstraction and inheritance
- Abstraction and polymorphism
- Abstraction and decomposition
- None of the Above

QUESTION 54

2 points

Which phase is not available in software life cycle?

- Coding
- Abstraction
- Testing
- Maintenance

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

2 points

QUESTION 55

Save Answer

Why study software engineering?

- "It helps to produce reliable, reusable and quality software"
- Software Engineering understands customer needs and develops software
- It helps developers understand the disciplines of software life cycle
- All of the above

QUESTION 56

2 points Save Answer

Which of the following is considered the most difficult in the software development process?

- Accurately identifying user needs
- Developing a java program to meet the desired solution
- Determining the accurate market price for the finished product
- Testing the solution with user

QUESTION 57

2 points Save Answer

What will be the cyclomatic complexity for a flow graph having total number of regions 4?

- 4
- 6
- 8
- 5

QUESTION 58

1 points Save Answer

The spiral model is not appropriate model when projects have many unknown risks that might show up as the development proceeds.

- True
- False

QUESTION 59

2 points Save Answer

Suppose an organization invests Rs.40,000 to start a business(it includes all the resource costs, infrastructure costs etc.) and the flow of money (income) to the company due to the business in different years is as follows: year 2011 inflow is Rs.5000/-, year 2012 inflow is 15,000/-, 2013 inflow is Rs.20,000/-, 2014 inflow is Rs.25,000/-, 2015 inflow is Rs.15,000/-, 2016 inflow is Rs.10,000/-. What will be the pay back period ?

- 1years
- 4years
- 2years
- 3years

QUESTION 60

2 points Save Answer

"Well understood application program, development team is reasonably small, and experienced team members are some of the characteristics of "

- Embedded type project
- Semidetached type project
- Organic type project
- All of the above

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers

Save and Submit