

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, July 2020**

**Course:** Software Engineering and Project Management

**Semester:** IV

**Program:** B.Tech OS&OS

**Time:** 02 hrs.

**Course Code:** CSEG2008

**Max. Marks:** 100



Kalpana Rangra 109

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Tests, Surveys and Pools > Tests > Test Canvas : ENDSEM\_8JULY



Edit Mode is: ON

This Test has 48 attempts. For information on editing questions, click **More Help** below.

## Test Canvas: ENDSEM\_8JULY

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Description	
Instructions	
Total Questions	61
Total Points	100
Number of Attempts	48

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Points

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1. Multiple Choice: A Data Flow Diagram (DFD) is compose...

Points: 2

Question	A Data Flow Diagram (DFD) is composed of which elements?
Answer	Data sources and destinations

Data flows

Transformation processes

All of the above

2. Multiple Choice: Developer often make implementation ...

Points: 1

**Question** Developer often make implementation compromises in order to get a prototype working

**Answer** constantly

slowly

quickly

randomly

3. Multiple Choice: The development is supposed to proce...

Points: 1

**Question** The development is supposed to proceed linearly through the phase in

**Answer** Spiral model

Waterfall model

Prototyping model

None of the above

4. Multiple Choice: Which phase is not available in soft...

Points: 1

<b>Question</b>	Which phase is not available in software life cycle?
<b>Answer</b>	<input type="radio"/> Coding
	<input type="radio"/> Testing
	<input type="radio"/> Maintenance
	<input checked="" type="radio"/> Abstraction

5. Multiple Choice: " Consider a system where, a heat sen...

Points: 2

<b>Question</b>	" Consider a system where, a heat sensor detects an intrusion and alerts the security company. What kind of a requirement the system is providing?"
<b>Answer</b>	<input checked="" type="radio"/> Functional
	<input type="radio"/> Non-Functional
	<input type="radio"/> Known Requirement
	<input type="radio"/> None of the mentioned

6. Multiple Choice: "A company wants to start a Project a...

Points: 2

<b>Question</b>	"A company wants to start a Project and to calculate its feasibility,The Projects uses the model as an equation to estimate the desired values such as cost, time, effort, etc. They all depend on the same variable used as predictor (say, size). mind Company deduced that the project they are using is of size 500 KLOC, Based on the data given calculate EFFORT"
<b>Answer</b>	<input checked="" type="radio"/> 453.0751
	<input type="radio"/> 553.0751
	<input type="radio"/> 653.0751
	<input type="radio"/> 463.0751

7. Multiple Choice: "A company wants to start a Project a..."

Points: 2

Question	"A company wants to start a Project and to calculate its feasibility,The Projects uses the model as an equation to estimate the desired values such as cost, time, effort, etc. They all depend on the same variable used as predictor (say, size). mind Company deduced that the project they are using is of size 500 KLOC, Based on the data given if Company need to calculate what will be the documentation size "
Answer	3812.40733
	6757.127634
	<input checked="" type="checkbox"/> 8164.8195
	9012.7653

8. Multiple Choice: "A company wants to start a Project a..."

Points: 2

Question	"A company wants to start a Project and to calculate its feasibility,The Projects uses the model as an equation to estimate the desired values such as cost, time, effort, etc. They all depend on the same variable used as predictor (say, size). mind Company deduced that the project they are using is of size 500 KLOC, Based on the data given what will be the duration of the project "
Answer	565.12
	45.89
	<input checked="" type="checkbox"/> 23.1468
	314.765

9. Multiple Choice: "A company wants to start a Project a..."

Points: 2

Question
----------

"A company wants to start a Project and to calculate its feasibility, There is another method which states that there is some models which are often based on equation (i), they actually depend on several variables representing various aspects of the software development environment, for example method used, user participation, customer oriented changes, memory constraints, etc. Company deduced that the project they are using is of size 500 KLOC, Based on the data given Effort required is"

Answer

3321.8752



1486.1617

1678.3452

2345.1234

10. Multiple Choice: "A company wants to start a Project a..."

Points: 2

Question

"A company wants to start a Project and to calculate its feasibility, Company deduced that the project they are using is of size 500 KLOC, Based on the data given what will be the duration of the project"

Answer

67.1234

89.5678

651.8901



38.4072

11. Multiple Choice: "A project has expenditure of 180 lac..."

Points: 2

Question

"A project has expenditure of 180 lacs and the revenues at the end of each year are 64, 80, 100, 125 and 105 lacs. The Payback period is estimated as \_\_\_\_ years"

Answer

2.45

2.54

2.28

2.36

12. Multiple Choice: "A project has expenditure of 180 lac...

Points: 2

Question

"A project has expenditure of 180 lacs and the revenues at the end of each year are 64, 80, 100, 125 and 105 lacs. The NPV assuming 12.5 percent discount rate is \_\_\_\_\_ lacs"

Answer

141.89

143.37

146.63

151.89

13. Multiple Choice: "A system has 15 user inputs (Average...

Points: 2

Question

"A system has 15 user inputs (Average), 10 user outputs (High), 5 user inquiries (High), 8 internal logical files (Low) and 4 external interface (High). The UFP Count is \_\_\_\_\_"

Answer

236

248

244

256

14. Multiple Choice: "Acting as project leader, Liaison wi..."

Points: 2

Question	"Acting as project leader, Liaison with stakeholders, Managing human resources, Setting up reporting hierarchy etc. belongs to which category of roles"
Answer	<input checked="" type="checkbox"/> People management <hr/> <input type="checkbox"/> product management <hr/> <input type="checkbox"/> Organization management <hr/> <input type="checkbox"/> Project Management

15. Multiple Choice: "Assume that the size of an organic t..."

Points: 2

Question	"Assume that the size of an organic type software product has been estimated to be 32,000 lines of source code. Assume that the average salary of software engineers be Rs. 15,000/- per month. Determine the effort required to develop the software product and the nominal development time. From the basic COCOMO estimation formula for organic software: From the basic COCOMO estimation formula for organic software: Nominal Development Time is"
Answer	<input checked="" type="checkbox"/> 14 months <hr/> <input type="checkbox"/> 12 months <hr/> <input type="checkbox"/> 15 months <hr/> <input type="checkbox"/> 19 months

16. Multiple Choice: "Defining and setting up project scop..."

Points: 2

Question	"Defining and setting up project scope, Act as spoke person, Managing project management activities, Monitoring progress and performance, Risk analysis at every phase, Take necessary step to avoid or come out of problems. All these belong to which category of roles of Project manager"
Answer	<input type="checkbox"/> People management <hr/> <input type="checkbox"/> product management

Organization management

Project Management

17. Multiple Choice: "In RAD model, information gathered i..."

Points: 1

Question	"In RAD model, information gathered in business modeling phase is reviewed and analyzed to form sets of data objects vital for business in"
Answer	<p>business modeling</p> <p>process modeling</p> <p><input checked="" type="checkbox"/> data modeling</p> <p>deployment modeling</p>

18. Multiple Choice: "Project A is to be a 32,000 DSI semi..."

Points: 2

Question	"Project A is to be a 32,000 DSI semi-detached software. It is in a mission critical area, so the reliability is high (RELY=high=1.15). Then calculate:SCHEDULE"
Answer	<p>14 months</p> <p>12 months</p> <p><input checked="" type="checkbox"/> 15 months</p> <p>19 months</p>

19. Multiple Choice: "Project A is to be a 32,000 DSI semi..."

Points: 2



<b>Question</b>	"Project A is to be a 32,000 DSI semi-detached software. It is in a mission critical area, so the reliability is high (RELY=high=1.15). Then calculate:Productivity"
<b>Answer</b>	<input checked="" type="checkbox"/> 192 <hr/> 178 <hr/> 191 <hr/> 198

20. Multiple Choice: "Project A is to be a 32,000 LOCsemi-..."

Points: **2**

<b>Question</b>	"Project A is to be a 32,000 LOCsemi-detached software. It is in a mission critical area, so the reliability is high (RELY=high=1.15). Then calculate:EFFORT"
<b>Answer</b>	268 <hr/> 168 <hr/> <input checked="" type="checkbox"/> 167 <hr/> 267

21. Multiple Choice: "Testing of a software solution's int..."

Points: **2**

<b>Question</b>	"Testing of a software solution's internal structure, design, and coding. In this type of testing, the code is visible to the tester is called"
<b>Answer</b>	Black box testing <hr/> <input checked="" type="checkbox"/> White Box Testing <hr/> function testing <hr/> non-functional testing

22. True / False: "The ISO 9126 software quality model ...

Points: 1

Question	"The ISO 9126 software quality model identifies 4 main quality characteristics, namely:Functionality, Reliability, Usability, Portability"
Answer	<input type="checkbox"/> True <input checked="" type="checkbox"/> False

23. Multiple Choice: "The standard is divided into four pa...

Points: 2

Question	"The standard is divided into four parts which addresses, respectively, the following subjects: quality model; external metrics; internal metrics; and quality in use metrics."
Answer	<input checked="" type="checkbox"/> ISO <input type="checkbox"/> MC CALL <input type="checkbox"/> both of given <input type="checkbox"/> none

24. Multiple Choice: "The testing technique in which funct...

Points: 2

Question	"The testing technique in which functionality of the Application Under Test (AUT) is tested without looking at the internal code structure, implementation details and knowledge of internal paths of the software is called"
Answer	<input type="checkbox"/> functional testing <input type="checkbox"/> structural testing <input checked="" type="checkbox"/> Blackbox testing <input type="checkbox"/> glass box testing

25. Multiple Choice: "\_\_\_\_\_ is done after cod..."

Points: 2

Question	"_____ is done after code fixes, upgrades or any other system maintenance to check the new code has not affected the existing code."
Answer	Maintainance testing ----- <input checked="" type="checkbox"/> Regression testing ----- structure testing ----- risk testing

26. True / False: 60: There are three main classifications ...

Points: 1

Question	There are three main classifications of risks which can affect a software project: Project risks Technical risks Business risks
Answer	<input checked="" type="checkbox"/> True <input type="checkbox"/> False

27. Multiple Choice: 61: In Boundary Testing, Equivalence C...

Points: 2

Question	<ul style="list-style-type: none"><li>• In Boundary Testing, Equivalence Class Partitioning plays a good role</li><li>• Boundary Testing comes after the Equivalence Class Partitioning.</li></ul>
Answer	Either of one is true -----

Both are true

Both are false

only 2 is true

28. Multiple Choice: A cross life-cycle activity of system...

Points: 1

Question	A cross life-cycle activity of system development is
Answer	<input type="checkbox"/> Data modelling
	<input checked="" type="checkbox"/> Fact finding
	<input type="checkbox"/> Prototyping
	<input type="checkbox"/> Data Flow Diagram modelling

29. Multiple Choice: Black box testing type is related to ...

Points: 2

Question	Black box testing type is related to the functional requirements of a system; it is done by software testers.
Answer	<input checked="" type="checkbox"/> functional testing
	<input type="checkbox"/> structural testing
	<input type="checkbox"/> technical testing
	<input type="checkbox"/> glass box testing

30. Multiple Choice: EQP and BVA belongs to

Points: 2

Question	EQP and BVA belongs to
Answer	<input checked="" type="checkbox"/> Black box testing
	<input type="checkbox"/> White Box Testing
	<input type="checkbox"/> function testing
	<input type="checkbox"/> non-functional testing

31. Multiple Choice: How many Scenarios are there in elici...

Points: 1

Question	How many Scenarios are there in elicitation activities?
Answer	<input type="checkbox"/> One
	<input type="checkbox"/> Two
	<input type="checkbox"/> Three
	<input checked="" type="checkbox"/> Four

32. Multiple Choice: In dataflow diagram process is repres...

Points: 2

Question	In dataflow diagram process is represented by a _____
Answer	<input checked="" type="checkbox"/> circle
	<input type="checkbox"/> rectangle
	<input type="checkbox"/> triangle
	<input type="checkbox"/> parallelogram

33. Multiple Choice: Many documentation tools are availabl...

Points: 2

Question	Many documentation tools are available to explain how a system works. Which tool provides a graphical description of the sources and destinations of data as well as data flow within the organization and the processes that transform and store that data?
Answer	<p>Data flow diagram</p> <hr/> <p>Document flowchart</p> <hr/> <p><input checked="" type="checkbox"/> Program flowchart</p> <hr/> <p>System flowchart</p>

34. Multiple Choice: Not having enough number of developer...

Points: 2

Question	Not having enough number of developers can delay the project delivery. This type of risk belongs to
Answer	<p>known-unknown risk</p> <hr/> <p><input checked="" type="checkbox"/> known-known risk</p> <hr/> <p>unknown risk</p> <hr/> <p>known risk</p>

35. Multiple Choice: Planning risk management involves

Points: 2

Question	Planning risk management involves
Answer	<p>Avoid risk</p> <hr/> <p>Reduce risk</p>

Transfer risk

All of the mentioned

36. Multiple Choice: Project risk factor is considered in

Points: 1

Question	Project risk factor is considered in
Answer	<input checked="" type="checkbox"/> Spiral model
	<input type="checkbox"/> Iterative model
	<input type="checkbox"/> Prototyping model
	<input type="checkbox"/> Waterfall model

37. Multiple Choice: Regression Testing is a type of

Points: 2

Question	Regression Testing is a type of
Answer	<input checked="" type="checkbox"/> Black box testing
	<input type="checkbox"/> White Box Testing
	<input type="checkbox"/> function testing
	<input type="checkbox"/> non-functional testing

38. Multiple Choice: Risk associated with development team...

Points: 2

Question	Risk associated with development team professionals is called
Answer	Technical risk

People risk

Organization risk

software risk

39. Multiple Choice: Risk management activities in broad c...

Points: 2

**Question** Risk management activities in broad categories include

**Answer**  risk assesment and risk control

ridk identification and risk avoidance

risk prioritization and risk elimination

risk identification and risk resolution

40. True / False: SRS is modifiable as the user require...

Points: 1

**Question** SRS is modifiable as the user requirements keep on changing

**Answer**  True  
False

41. Multiple Choice: Statement coverage and Branch Coverag...

Points: 2

**Question** Statement coverage and Branch Coverage belongs to

**Answer** Black box testing

White Box Testing



function testing

non-functional testing

42. Multiple Choice: The SRS document is also known as \_\_\_\_...

Points: 1

Question	The SRS document is also known as _____ specification.
Answer	<input checked="" type="checkbox"/> black-box
	<input type="checkbox"/> white-box
	<input type="checkbox"/> grey-box
	<input type="checkbox"/> none of the mentioned

43. Multiple Choice: The framework which is used to analys...

Points: 2

Question	The framework which is used to analyse the approach and techniques followed by any organization to develop a software product.
Answer	<input checked="" type="checkbox"/> CMM
	<input type="checkbox"/> ISO
	<input type="checkbox"/> MC CALL
	<input type="checkbox"/> All of the mentioned

44. Multiple Choice: The requirements that result from req...

Points: 2

Question	The requirements that result from requirements analysis are typically expressed from one of three perspectives or views. What is that perspective or view?
----------	--

Answer	Developer
	User
	Non-Functional
	<input checked="" type="checkbox"/> Physical

45. Multiple Choice: The system of identifying addressing ...

Points: 2

Question	The system of identifying addressing and eliminating these problems before they can damage the project is called _____
Answer	project management
	testing
	quality management
	<input checked="" type="checkbox"/> risk management

46. Multiple Choice: This is a fact known to the project t...

Points: 2

Question	This is a fact known to the project team however whether the client has communicated all the information properly or not is unknown to the project
Answer	<input checked="" type="checkbox"/> known-unknown risk
	known-known risk
	unknown risk
	known risk

47. Multiple Choice: Use case descriptions consists of int...

Points: 1

Question	Use case descriptions consists of interaction among which of the following ?
Answer	<p>Product</p> <hr/> <p>Use case</p> <hr/> <p>Actor</p> <hr/> <p><input checked="" type="checkbox"/> Product &amp; Actor</p>

48. Multiple Choice: What kind of approach was introduced ...

Points: 1

Question	What kind of approach was introduced for elicitation and modelling to give a functional view of the system?
Answer	<p>Object Oriented Design (by Booch)</p> <hr/> <p><input checked="" type="checkbox"/> Use Cases (by Jacobson)</p> <hr/> <p>Fusion (by Coleman)</p> <hr/> <p>Object Modeling Technique (by Rumbaugh)</p>

49. Multiple Choice: Which model is most popular for stude...

Points: 1

Question	Which model is most popular for student s small projects?
Answer	<p><input checked="" type="checkbox"/> Waterfall model</p> <hr/> <p>Spiral model</p> <hr/> <p>Quick and fix model</p> <hr/> <p>Prototyping model</p>

50. Multiple Choice: Which of the following is a phase of ...

Points: 1

Question	Which of the following is a phase of RAD model?
Answer	<p>Business modelling</p> <hr/> <p>Data modelling</p> <hr/> <p>Application generation</p> <hr/> <p><input checked="" type="checkbox"/> All of the above</p>

51. Multiple Choice: Which of the following is not a diagr...

Points: 1

Question	Which of the following is not a diagram studied in Requirement Analysis?
Answer	<p>Use Cases</p> <hr/> <p>Entity Relationship Diagram</p> <hr/> <p>State Transition Diagram</p> <hr/> <p><input checked="" type="checkbox"/> Activity Diagram</p>

52. Multiple Choice: Which of the following is not a guide...

Points: 2

Question	Which of the following is not a guideline for drawing a Data Flow Diagram (DFD)?
Answer	<p>Develop a context diagram</p> <hr/> <p>Subdivide the DFD</p> <hr/>

Determine system boundaries

Display the physical location of data files

53. Multiple Choice: Which of the following is not include...

Points: 1

Question	Which of the following is not included in SRS ?
Answer	Performance
	Functionality
	<input checked="" type="checkbox"/> Design solutions
	External Interfaces

54. Multiple Choice: Which of the following statements abo...

Points: 2

Question	Which of the following statements about SRS is/are true? I SRS is written by customer ii SRS is written by a developer iii SRS serves as a contract between customer and developer
Answer	Only i is true
	Both ii and iii are true
	<input checked="" type="checkbox"/> All are true
	None of the mentioned

55. Multiple Choice: Which statements are considered corre...

Points: 2

Question	Which statements are considered correct in reference to use case diagram ?
----------	--

Answer

A scenario is an interaction between product and particular interaction

A use case diagram represent a product s use cases and actors involved in each use case

All of the mentioned

None of the mentioned

56. Multiple Choice: Who can then check which risks from e...

Points: 2

Question

Who can then check which risks from each class are relevant to the project.

Answer

project manager

product manager

sprint manager

risk manager

57. Multiple Choice: Who controls the FAST (Facilitated Ap...

Points: 1

Question

Who controls the FAST (Facilitated Application Specification Techniques) meeting?

Answer

System Analyst

Scribe

Facilitator

Manager

58. Multiple Choice: Why is Requirements Elicitation a dif...

Points: 1

Question	Why is Requirements Elicitation a difficult task?
Answer	<p>Problem of scope</p> <hr/> <p>Problem of understanding</p> <hr/> <p>Problem of volatility</p> <hr/> <p><input checked="" type="checkbox"/> All of the mentioned</p>

59. Multiple Choice: A process of software development w...

Points: 1

Question	A process of software development where requirements are broken down into multiple standalone modules of software development cycle
Answer	<p>Waterfall model</p> <hr/> <p>RAD model</p> <hr/> <p>Evolutionary process model</p> <hr/> <p><input checked="" type="checkbox"/> Incremental process model</p>

60. Multiple Choice: SRS stands for

Points: 1

Question	SRS stands for
Answer	<p>Software requirements solution</p> <hr/> <p>System requirements specification</p> <hr/> <p><input checked="" type="checkbox"/> Software requirements specification</p> <hr/> <p>none of given</p>

61. Multiple Choice: Which is not a software life cycle ...

Points: 1

Question	Which is not a software life cycle model?
Answer	Waterfall model
	Spiral model
	<input checked="" type="checkbox"/> Capability maturity model
	Prototyping model

Select: [All](#) [None](#) . Select by Type: - Question Type - ▼

Delete and Regrade

Points

Update and Regrade

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