Program: BE Information Technology Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester VI

Course Code: ITC601 and Course Name: Software Engineering with Project Management

Time: 1 hour   Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Activities and action taken on the data that are represented by Circle or Round-edged Rectangles are called, _____
Option A:	Process
Option B:	Data storage
Option C:	Data flow
Option D:	Entities
Q2.	Suppose you are a developer and assigned the task of developing a System in a very short time say 2-3 months, with the Customer highly available for interaction and even willing to see each prototype generated at every iteration and there is no fixed end time for the iteration. Which SDLC Model will you prefer?
Option A:	waterfall model
Option B:	Scrum
Option C:	Extreme Programming
Option D:	RAD Model
Q3.	In the Build phase/Construct phase of _____, a POC (Proof of Concept) is developed to get customer feedback
Option A:	waterfall model
Option B:	Scrum
Option C:	Spiral Model
Option D:	RAD Model
Q4.	Company ABC is developing a software system. There are several teams formed each handling one of the phases of software development. They are working in such a way that the System Design team won't start until the "Requirement gathering" team has completed its goals. This way all the phases are cascaded. Which SDLC has the team adopted?

Option A:	waterfall model
Option B:	Scrum
Option C:	Spiral Model
Option D:	RAD Model
Q5.	Find UCP. Given - UUCW = 45,UAW = 6 , TCF = 0.8 and ECF = 1085
Option A:	44268
Option B:	45654
Option C:	67980
Option D:	245667
Q6.	Which are the different parameters considered to find out Software Crisis?
Option A:	Size, Quality, Cost and Delayed Delivery
Option B:	Time, scope, matrix and operation
Option C:	Management, planning, requirement, and analysis
Option D:	Quality, testing, coding and cost
Q7.	Software maintenance activity consumes total how much percentage cost of development?
Option A:	More than 90%
Option B:	40-70%
Option C:	10-20%
Option D:	25-50%
Q8.	In the context of object-oriented software engineering a component contains
Option A:	attributes and operations
Option B:	instances of each class
Option C:	roles for each actor (device or user)
Option D:	a set of collaborating classes
Q9.	In component-level design "persistent data sources" refer to
Option A:	Component libraries
Option B:	Databases
Option C:	Files
Option D:	Databases as well as Files
Q10.	Which of these framework activities is not normally associated with the user interface design processes?
Option A:	interface construction
Option B:	cost estimation
Option C:	interface validation
Option D:	user and task analysis

Q11.	Usability questionnaires are most meaningful to the interface designers when completed by
Option A:	customers
Option B:	experienced programmers
Option C:	product users
Option D:	project managers
Q12.	The UML was designed for describing _____
Option A:	object-oriented systems
Option B:	architectural design
Option C:	SRS
Option D:	object-oriented systems and Architectural design
Q13.	Maintenance testing is performed using which methodology?
Option A:	Retesting
Option B:	Sanity testing
Option C:	Breadth test and depth test
Option D:	Confirmation testing
Q14.	Exhaustive testing is
Option A:	always possible
Option B:	practically possible
Option C:	impractical but possible
Option D:	impractical and impossible
Q15.	Boundary value analysis belong to?
Option A:	White Box Testing
Option B:	Black Box Testing
Option C:	White Box & Black Box Testing
Option D:	Gray Box
Q16.	In IT projects, _____ is captures the reasoning for initiating a project or task and presented in a well-structured written document, but may also come in the form of a short verbal agreement or presentation.
Option A:	Business Case
Option B:	Business Case
Option C:	SRS
Option D:	Project Charter
Q17.	An input to define scope process is
Option A:	Decomposition
Option B:	Project Charter
Option C:	Work Breakdown Structure (WBS)
Option D:	Contract

Q18.	You are the project manager for a software project. You have completed Create Requirement Process. You are now defining scope. Which of the following statement BEST describes this?
Option A:	Creating a document that describes all of the work the team does, to make the deliverables
Option B:	Creating a document that lists all of the features of the product
Option C:	Creating a plan for managing changes to the scope baseline
Option D:	Creating a graphical representation of how the phases or deliverables decompose into the work packages
Q19.	PMBOK is having_____ no of Knowledge area's
Option A:	10
Option B:	8
Option C:	5
Option D:	12
Q20.	Which knowledge area refers to the process of seamlessly combining or bringing together the various moving parts of any project in order to work towards a common goal
Option A:	Project Integration Management
Option B:	Project Cost Management
Option C:	Project Scheduling management
Option D:	Project Scope Management
Q21.	What is the principle to be used when deciding how many levels deep a Work Breakdown Structure (WBS) should be "broken down" to?
Option A:	Break down tasks and activities in the WBS to the level at which the project core team will be managing and reporting on during project meetings
Option B:	Use the WBS breakdown provided with the WBS template in the project management methodology. That is the correct level for each task
Option C:	Break down all tasks and activities within the WBS to tasks of no more than 8 hours of duration so that a task or activity will have a status update every day
Option D:	Project cost breaks into Departments where they are charged
Q22.	In which network diagram, circles are used to represent an activity, with arrows linking them together to show the sequence in which they are performed
Option A:	AOA
Option B:	AON
Option C:	PERT
Option D:	CPM
Q23.	Which of the following is not correct in respect of PERT calculations?
Option A:	Expected time of an activity is a weighted average of three times estimates, a, m, and b with respective weights of 1, 4, and 1
Option B:	The target time minus the expected time divided by standard deviation is the z value

Option C:	The completion of project using PERT method follows normal distribution.
Option D:	The sum total of variances of critical activity times gives the variance of the overall project completion time
Q24.	Which of the following is true about WBS
Option A:	The WBS is another term foe Gantt (Bar) chart
Option B:	The WBS shows only critical path activities
Option C:	Work not in WBS is usually defined in the scope statement of the project
Option D:	Each descending level represents an increasingly detailed description of the project deliverables
Q25.	During project executing, a team member comes to the project manager because he is not sure of what work he needs to accomplish on the project. Which of the following documents contain detailed descriptions of work packages?
Option A:	WBS Dictionary.
Option B:	Activity List
Option C:	Scope Management Plan
Option D:	Project Scope statement