

University of Mumbai
Examination 2020 under cluster 2 (FRCRCE)

Program: BE Information Technology

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.	Which of the following uses empirically derived formulas to predict effort as a function of LOC or FP?
Option A:	FP-Based Estimation
Option B:	Process-Based Estimation
Option C:	COCOMO
Option D:	Both FP-Based Estimation and COCOMO
Q2.	Which of the following is included in SRS?
Option A:	Cost
Option B:	Design Constraints
Option C:	Staffing
Option D:	Delivery Schedule
Q3.	Which of the following property of SRS is depicted by the statement: "Conformity to a standard is maintained" ?
Option A:	Correct
Option B:	Complete
Option C:	Consistent
Option D:	Modifiable
Q4.	In AON network diagrams, activities are shown on
Option A:	Node
Option B:	Arrow
Option C:	Either node or arrow
Option D:	Transition
Q5.	Arrange the tasks involved in requirements elicitation in an appropriate manner. i. Consolidation ii. Prioritization iii. Requirements Gathering iv. Evaluation
Option A:	iii, i, ii, iv
Option B:	iii, iv, ii, i

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Option C:	iii, ii, iv, i
Option D:	ii, iii, iv, i
Q6.	In the context of object oriented software engineering, a component contains _____
Option A:	Attributes and operations
Option B:	Set of collaborating classes
Option C:	Instances of each class
Option D:	Roles for each actor
Q7.	_____ implements the lower-level business abstractions that are required to fully manage the business domain classes.
Option A:	User interface classes
Option B:	Process classes
Option C:	System classes
Option D:	Business domain classes
Q8.	Which of the property of software modularity is incorrect with respect to benefits software modularity?
Option A:	Modules are mostly dependent
Option B:	Modules are robust
Option C:	Module can use other modules
Option D:	Modules Can be separately compiled and stored in a library
Q9.	A _____ is a graphical representation that depicts information flow and the transforms that are applied as data moves from input to output.
Option A:	Flow Chart
Option B:	Workflow Diagram
Option C:	Control Specification
Option D:	State Transition Diagram
Q10.	Calculate activity estimate for PERT analysis if Optimistic Estimate (a) = 2 ,Most likely Estimate (b) = 4 and Pessimistic Estimate (c) = 6
Option A:	2
Option B:	6
Option C:	4
Option D:	8
Q11.	The Product of Risk Probability and Risk impact is known as
Option A:	Risk Estimation
Option B:	Risk Analysis
Option C:	Risk Mitigation
Option D:	Risk Exposure
Q12.	Work Breakdown Structures (WBS) should be

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Option A:	Task-oriented
Option B:	Deliverable-oriented
Option C:	Time-oriented
Option D:	Process-oriented
Q13.	In PERT, Activity Estimate does not depend upon
Option A:	Optimistic Estimate
Option B:	Most likely Estimate
Option C:	Predecessor Estimate
Option D:	Pessimistic Estimate
Q14.	Total number of PMBOK Knowledge Areas are:
Option A:	8
Option B:	10
Option C:	9
Option D:	12
Q15.	Which one is not the part of PMBOK Knowledge Area ?
Option A:	Project Integration Management
Option B:	Project Scope Management
Option C:	Project Evaluation Management
Option D:	Project Procurement Management
Q16.	Which one is not generally a step in constructing a business case analysis?
Option A:	Analyze Alternatives
Option B:	Define Total Benefit of Ownership
Option C:	Define MOV
Option D:	Define Scope
Q17.	MOV defines
Option A:	The Project's Goal
Option B:	The Project's Feasibility
Option C:	The Project's Scope
Option D:	The Project's Budget
Q18.	The Incremental Model is a result of combination of elements of which two models?
Option A:	Spiral & Waterfall Model
Option B:	Linear Model & RAD Model
Option C:	Waterfall Model & Prototyping Model
Option D:	Waterfall Model & RAD Model
Q19.	Agile Software Development is based on
Option A:	Incremental Development
Option B:	Iterative Development

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Option C:	Linear Development
Option D:	Both Incremental and Iterative Development
Q20.	It is not the Agility principles
Option A:	Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
Option B:	Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
Option C:	Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
Option D:	Business people and developers must not work together daily throughout the project.
Q21.	In XP Increments are delivered to customers every _____ weeks
Option A:	One
Option B:	Two
Option C:	Three
Option D:	Four
Q22.	Which two of the following models will not be able to give the desired outcome if user's participation is not involved?
Option A:	Waterfall & Spiral
Option B:	RAD & Spiral
Option C:	RAD & Waterfall
Option D:	RAD & Prototyping
Q23.	Which four framework activities are found in the Extreme Programming(XP)
Option A:	Analysis, Design, Coding, Testing
Option B:	Planning, Analysis, Design, Coding
Option C:	Planning, Design, Coding, Testing
Option D:	Planning, Analysis, Coding, Testing
Q24.	User requirements are expressed as _____ in Extreme Programming.
Option A:	implementation tasks
Option B:	Functionalities
Option C:	Scenarios- user stories
Option D:	Milestones
Q25.	If you were a lead developer of a software company and you are asked to submit a project/product within a stipulated time-frame with no cost barriers, which model would you select?
Option A:	Waterfall
Option B:	Spiral
Option C:	RAD
Option D:	Incremental