

These are sample MCQs to indicate pattern, may or may not appear in examination

University of Mumbai

Examination 2020

Program: BE Computer Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester V

Course Code: CPC503 and

Course Name:

Structured and Object Oriented Analysis and Design

Time: 1hour

Max. Marks: 50

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

Q1.	Which one of the following is a functional requirement in case of library management system?
Option A:	Maintainability
Option B:	Portability
Option C:	Robustness
Option D:	Issue Book

Q2.	Which document is created by system analyst after the requirements are collected from Various stakeholders?
Option A:	Software requirement specification
Option B:	Software requirement validation
Option C:	Feasibility study
Option D:	Requirement Gathering

Q3.	The SRS document is also known as _____ specification.
Option A:	Black-box
Option B:	White -box
Option C:	Gray-box
Option D:	Green-Box

Q4.	A description of each function presented in the DFD is contained in a _____
Option A:	data flow
Option B:	process specification
Option C:	control specification
Option D:	data store

Q5.	Which diagram indicates the behaviour of the system as a consequence of external events?
Option A:	state transition diagram
Option B:	data flow diagram
Option C:	control specification diagram
Option D:	Work Flow Diagram

Q6.	Consider the following Statement: "The data set will contain an end of file character."What characteristic of SRS is being depicted here ?
Option A:	Consistent
Option B:	Non-verifiable
Option C:	Correct
Option D:	Ambiguous

Q7.	The primary objective of cost-benefit analysis is
Option A:	to find out direct and indirect cost of developing the information system
Option B:	To determine the tangible benefits of the information system
Option C:	to determine if it is economically worthwhile to invest in developing the information system
Option D:	To determine total bebenefit of Information System.

Q8.	Which of the following is included in SRS ?
Option A:	Cost
Option B:	Design Constraints
Option C:	Staffing
Option D:	Delivery Schedule

Q9.	How processes are denoted in data flow diagram
Option A:	Circle
Option B:	Square
Option C:	Tectangle
Option D:	Diamond

Q10.	The most important role of a systems analyst in business is _____.
Option A:	technical understanding of information systems
Option B:	problem solving
Option C:	knowing what data needs to be stored and used
Option D:	special programming skills

Q11.	Where would you find Business Process Model in the framework grid?
Option A:	Planner view of the Function
Option B:	Owner view of the People
Option C:	Owner view of the Function
Option D:	Planner View of the People

Q12.	Which of the following is the best explanation of business process reengineering?
Option A:	Redesigning the organizational structure of a business
Option B:	Redesigning workflow
Option C:	Redesigning products

Option D:	Transformation of business processes for more effective achievement of business goals
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Q13.	_____ is an abstraction of a set of functions that the system performs.
Option A:	Class
Option B:	Interaction
Option C:	Use case
Option D:	Collaboration

Q14.	Which artifact is NOT an input to Analysis and Design?
Option A:	supplementary specification
Option B:	use-case model
Option C:	Vision
Option D:	Glossary

Q15.	The four phases of the Systems Development Life Cycle are _____.
Option A:	Analysis, gathering, modeling and diagramming
Option B:	Designing, charting, formatting and structuring
Option C:	Planning, analysis, design and implementation
Option D:	System request, feasibility, planning and staffing.

Q16.	Which of the following is the understanding of software product limitations, learning system related problems or changes to be done in existing systems beforehand, identifying and addressing the impact of project on organization and personnel etc?
Option A:	Software Design
Option B:	Feasibility Study
Option C:	Requirement Gathering
Option D:	System Analysis

Q17.	who consider diagrams as a type of Class diagram, component diagram, object diagram, and deployment diagram?
Option A:	Structural
Option B:	Behavioral
Option C:	Non-Structural
Option D:	Non-Behavioral

Q18.	A data flow diagram is
Option A:	Modern version of flow- chart
Option B:	Use at system specification stage
Option C:	Primary Output of system design phase
Option D:	Use at coding phase

Q19.	Which is not one of the characteristic of object orientation?
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Option A:	Abstraction
Option B:	Encapsulation
Option C:	Polymorphism
Option D:	Generalization

Q20.	Which of the following is associated with objects?
Option A:	Transition
Option B:	Test
Option C:	Flow
Option D:	Identity

Q21.	_____ is a blueprint for creating an object.
Option A:	Class
Option B:	Dependency
Option C:	Generalization
Option D:	Tagged Values

Q22.	Every BCNF is in
Option A:	4NF
Option B:	5NF
Option C:	3NF
Option D:	1NF,2NF and 3NF

Q23.	Functional Dependencies are the types of constraints that are based on_____
Option A:	Key
Option B:	Key revisited
Option C:	Superset key
Option D:	Relationships

Q24.	which diagrams are used to distribute files, libraries, and tables across topology of the hardware
Option A:	deployment
Option B:	Use case
Option C:	Sequence
Option D:	Collaboration

Q25.	From following options,What is focused on the goal of the organization?
Option A:	Software requirement specification
Option B:	Software requirement validation
Option C:	Requirement gathering
Option D:	Feasibility study