

Time: 1 hour
Max. Marks: 50

Question Number	Question Statement	Options			
		A	B	C	D
1	Which of the following is applicable to development view point in 4+1 view model	takes into account some non-functional requirements	represents the functional requirements	focuses on the actual software module organization on the software development environment	Mapping the software to the hardware
2	Which of the following is applicable to physical view point in 4+1 view model	takes into account some non-functional requirements	represents the functional requirements	focuses on the actual software module organization on the software development environment	Mapping the software to the hardware
3	Consider the Reference Model for open Distributed Processing. Which statement among the following is applicable to computation view point.	which defines the types of information to beexchanged between systems	which expresses the functional design of the system, drawing on the information types where appropriate to ensure consistency	provides a set of generic middleware concepts and solutions, providing templates for transforming the computational specification into a concrete implementation	expresses the resources available to support the resulting system and policies for the selection of suitable resource components and technologies, including declaration of standards to be used throughout the system implementation
4	Consider the Reference Model for open Distributed Processing. Which statement among the following is applicable to engineering view point.	which defines the types of information to beexchanged between systems	which expresses the functional design of the system, drawing on the information types where appropriate to ensure consistency	provides a set of generic middleware concepts and solutions, providing templates for transforming the computational specification into a concrete implementation	expresses the resources available to support the resulting system and policies for the selection of suitable resource components and technologies, including declaration of standards to be used throughout the system implementation
5	Consider the Reference Model for open Distributed Processing. Which statement among the following is applicable to technology view point.	which defines the types of information to beexchanged between systems	which expresses the functional design of the system, drawing on the information types where appropriate to ensure consistency	provides a set of generic middleware concepts and solutions, providing templates for transforming the computational specification into a concrete implementation	expresses the resources available to support the resulting system and policies for the selection of suitable resource components and technologies, including declaration of standards to be used throughout the system implementation
6	Which one among the following entities is not applicable to the quality attributes in improving the quality of software	External stimuli	architectural decisions	responses	cost
7	Which one among the following entities is applicable to the external stimuli in improving the quality of software	are the events that cause the architecture to respond	are how the system would react to the stimuli	are the design elements or rules that have a direct impact on achieving attribute responses	combination of cultural philosophies, practices,and tools that increases an organization's ability to deliver applications andservices at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes
8	Which one among the following entities is applicable to the resposes in improving the quality of software	are the events that cause the architecture to respond	are how the system would react to the stimuli	are the design elements or rules that have a direct impact on achieving attribute responses	combination of cultural philosophies, practices,and tools that increases an organization's ability to deliver applications andservices at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes

9	Which one among the following entities is applicable to the architectural decisions in improving the quality of software	are the events that cause the architecture to respond	are how the system would react to the stimuli	are the design elements or rules that have a direct impact on achieving attribute responses	combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes
10	Which one among the following entities is applicable to dev ops	are the events that cause the architecture to respond	are how the system would react to the stimuli	are the design elements or rules that have a direct impact on achieving attribute responses	combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes
11	Which statement among the following is applicable to data flow systems in common architectural styles	are characterized by how the data flows in the system	are characterized by an activation model that involves a main thread of control that performs operation invocations	a shared data source approach to information passing	Invocation of an operation is decoupled from the execution such that the caller and the called can exist in separate software processes and possibly distributed across multiple processors
12	Which statement among the following is applicable to call and return systems in common architectural styles	are characterized by how the data flows in the system	are characterized by an activation model that involves a main thread of control that performs operation invocations	a shared data source approach to information passing	Invocation of an operation is decoupled from the execution such that the caller and the called can exist in separate software processes and possibly distributed across multiple processors
13	Which one of the following words is applicable to compression the software design operators	it is the operation of separating distinct functionality into distinct components that have well defined interfaces	it is the operation of duplicating of component to enhance reliability and performance	It involves merging the components to form a single component or removing layer or interfaces between the components to form a new system	hides implementation details
14	Which one of the following words is applicable to abstraction the software design operators	it is the operation of separating distinct functionality into distinct components that have well defined interfaces	it is the operation of duplicating of component to enhance reliability and performance	It involves merging the components to form a single component or removing layer or interfaces between the components to form a new system	hides implementation details
15	Which statement written below is best applicable to the porting in modular operators	is the operation of separating a set of design tasks as represented in a design structure matrix into multiple groups	allows one module to be replaced by another module that adheres to the same design rules	means using the module of one system in another system	takes some or all of the hidden information from the module and makes it visible as new design rules
16	Which statement written below is best applicable to the inversion in modular operators	is the operation of separating a set of design tasks as represented in a design structure matrix into multiple groups	allows one module to be replaced by another module that adheres to the same design rules	means using the module of one system in another system	takes some or all of the hidden information from the module and makes it visible as new design rules

17	Which statement written below is best applicable to purposeful thinking in the General methodology of design	requires systematic thinking	the decomposition of complex systems into elements and their interrelationships, identifying essential distinctions, and discarding accidental distinctions	reduces the complexity of the problem	is the combining of individual modules to produce a new entity
18	Which one among the following is the example of general purpose software	Java	Scilab	Oracle	HTML
19	Which one among the following is not the example of general purpose software	Java	Python	R Programming	C programming
20	Which words written below are best applicable to elaboration phase in the management view of software architecture	Problem definition	development planning	implementation and testing	delivering, installation training, support and documentation
21	Which statement written below is best applicable to detail design in the engineering view	vision of a product or identification of need and takes into account the market, company and economy	Choosing multiple solutions to a given problem and analysing the various solutions.	the project development plans are finalized and the architecture is fixed, cost, resource and time estimates are made	Implementation phase
22	Which statement written below is best applicable to pre design phase in the architectural view	product planning, analysis and formulation of requirements, creation of budget, define the scope and scale of the project	understand accurately the needs of the acquirer and the users, application domain and documents this knowledge	architectural level design which represents the behaviour of the system, the information captured and processed by the system, the user interface and the user interaction design, the modular structure of the solution, the technology needed to implement the application along with the rationales for various design and technology decisions	The schematic design and design development phases are iterated, the architecture converges to a final design which is detailed enough to assess the risk and proceed towards development

23	Which statement written below is best applicable to domain analysis phase in the architectural view	product planning, analysis and formulation of requirements, creation of budget, define the scope and scale of the project	understand accurately the needs of the acquirer and the users, application domain and documents this knowledge	architectural level design which represents the behaviour of the system, the information captured and processed by the system, the user interface and the user interaction design, the modular structure of the solution, the technology needed to implement the application along with the rationales for various design and technology	The schematic design and design development phases are iterated, the architecture converges to a final design which is detailed enough to assess the risk and proceed towards development
24	Which statement written below is best applicable to schematic design phase in the architectural view	product planning, analysis and formulation of requirements, creation of budget, define the scope and scale of the project	understand accurately the needs of the acquirer and the users, application domain and documents this knowledge	architectural level design which represents the behaviour of the system, the information captured and processed by the system, the user interface and the user interaction design, the modular structure of the solution, the technology needed to implement the application along with the rationales for various design and technology	The schematic design and design development phases are iterated, the architecture converges to a final design which is detailed enough to assess the risk and proceed towards development
25	Which statement written below is best applicable to design development phase in the architectural view	product planning, analysis and formulation of requirements, creation of budget, define the scope and scale of the project	understand accurately the needs of the acquirer and the users, application domain and documents this knowledge	architectural level design which represents the behaviour of the system, the information captured and processed by the system, the user interface and the user interaction design, the modular structure of the solution, the technology needed to implement the application along with the rationales for various design and technology	The schematic design and design development phases are iterated, the architecture converges to a final design which is detailed enough to assess the risk and proceed towards development