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Marks	16.00/30.00
Grade	**5.33** out of 10.00 (**53**%)

Question 1   Incorrect   Mark 0.00 out of 1.00

What is the primary objective of information system development:

Select one:

- a. Managerial Objective
- b. Organizational Objective
- c. Revenue Objective
- d. Customer Objective ✗

The correct answer is: Organizational Objective

Question 2

Correct   Mark 1.00 out of 1.00

Which one are the right deliverables for each process below?

Select one:

- ○ a. Planning -> System Proposal
- ● b. Design -> System Specification ✓
- ○ c. Implementation -> Test Plan
- ○ d. Analysis -> System Specification

The correct answer is: Design -> System Specification

Question 3

Correct   Mark 1.00 out of 1.00

These statements are true about design prototype, except:

Select one:

- ● a. Design prototype is working system even though has minimal features ✓
- ○ b. Design prototype is not a working system
- ○ c. Design prototype is a product that represents a part of the system that needs additional refinement.
- ○ d. Design prototype contains only enough detail to enable users to understand the issues under consideration.

The correct answer is: Design prototype is working system even though has minimal features

Question 4

Incorrect   Mark 0.00 out of 1.00

Faculty of Computer Science, Anaperancis University is planning to upgrade its existing course registration system. Currently, the system is only used to accommodate the students to submit their course plan at the beginning of semester. The proposed system is expected to help academic manager and general manager to manage course schedule as well as available resources that support academic activities.

Select one:

○ a. The existing course registration system owned by Faculty of Computer Science, Anaperancis University belongs to Management Information Systems.

○ b. The new course registration system owned by Faculty of Computer Science, Anaperancis University belongs to Transaction Processing Systems and Management Information Systems.

○ c. The new course registration system owned by Faculty of Computer Science, Anaperancis University belongs to Transaction Processing Systems.

⦿ d. The new course registration system owned by Faculty of Computer Science, Anaperancis University belongs to Management Information Systems and Executive Information Systems. ✗

The correct answer is: The new course registration system owned by Faculty of Computer Science, Anaperancis University belongs to Transaction Processing Systems and Management Information Systems.

Question 5

Correct   Mark 1.00 out of 1.00

Which methodologies are most feasible to be adopted when the proposed system has complex requirement and possibility of changing requirements during system development:

Select one:

○ a. Waterfall; Scrum; Throw-away Prototyping

○ b. Waterfall; Phased-Development; Throw-away Prototyping

○ c. Parallel Development; Throw-away Prototyping; Scrum

⦿ d. Phased Development; Throw-away Prototyping; Scrum ✓

The correct answer is: Phased Development; Throw-away Prototyping; Scrum

Question 6

Incorrect   Mark 0.00 out of 1.00

These are principles of agile development, except:

Select one:

○   a. Working system is delivered frequently to the customer

○   b. Complete documentation is part of primary deliverables

○   c. Adaptable to changing requirements

◉   d. Customers and developers work together ✗

The correct answer is: Complete documentation is part of primary deliverables

Question 7

Correct   Mark 1.00 out of 1.00

Here are the possible indicators to measure the success of information system development project, except:

Select one:

◉   a. How sophisticated and wonderful the system is by adopting the latest technology
        ✔

○   b. The acceptance and continuance usage of the system users

○   c. The improvement of organizational performance

○   d. Achievement towards triple constraints of the project

The correct answer is: How sophisticated and wonderful the system is by adopting the latest technology

Question 8

Incorrect   Mark 0.00 out of 1.00

Gradual refinement in SDLC means:

Select one:

○   a. Deliverables produced in each phase are related to each other

◉   b. Deliverables produced in the analysis phase are used as input to the design phase which then refines them to produce a set of more detailed deliverables. ✗

○   c. The detailed deliverables in design phase will be used in the implementation phase to produce the actual system.

○   d. All answers are true

The correct answer is: All answers are true

Question 9

Incorrect   Mark 0.00 out of 1.00

Here are the common problems which often happen in information systems development project, except:

Select one:

○   a. Late in delivery time

○   b. Cost far more than planned

◉   c. Fewer features than originally planned ✗

○   d. Disagreement between project manager and project sponsor

The correct answer is: Disagreement between project manager and project sponsor

Question 10

Incorrect   Mark 0.00 out of 1.00

Method overloading and method overriding represent object-oriented feature that is:

Select one:
- ○ a. Polymorphism
- ◉ b. Encapsulation ✗
- ○ c. Inheritance
- ○ d. Information hiding

The correct answer is: Polymorphism

Question 11

Incorrect   Mark 0.00 out of 1.00

Access modifiers of attribute and method represent object-oriented feature that is:

Select one:
- ○ a. Inheritance
- ○ b. Information hiding
- ◉ c. Polymorphism ✗
- ○ d. Class Diagram

The correct answer is: Information hiding

Question 12

Correct   Mark 1.00 out of 1.00

The following are three layers of object-oriented architecture, except:

Select one:
- ○ a. Functional view
- ○ b. Structural view
- ○ c. Behavioral view
- ◉ d. Conceptual view ✓

The correct answer is: Conceptual view

Question 13

Correct   Mark 1.00 out of 1.00

The interaction between users and system is represented in:

Select one:

- ⊙ a. Functional view ✔
- ○ b. Structural view
- ○ c. Behavioral view
- ○ d. Conceptual view

The correct answer is: Functional view

Question 14

Incorrect   Mark 0.00 out of 1.00

The interaction among components of the system is represented in:

Select one:

- ○ a. Functional view
- ⊙ b. Structural view ✘
- ○ c. Behavioral view
- ○ d. Conceptual view

The correct answer is: Behavioral view

Question 15

Incorrect   Mark 0.00 out of 1.00

The following deliverables which is represented in behavior diagrams in UML is?

Select one:

- ○ a. Activity diagram
- ○ b. Use Case Diagram
- ○ c. Sequence Diagram
- ⊙ d. Class Diagram ✘

The correct answer is: Sequence Diagram

Question 16   Correct   Mark 1.00 out of 1.00

Which one is not the element of Information Systems:

Select one:

- ⦿ a. Methodology ✔
- ○ b. People
- ○ c. Procedures
- ○ d. Processes

The correct answer is: Methodology

Question 17   Correct   Mark 1.00 out of 1.00

The following represent the characteristic of use-case in object-oriented systems analysis and design, except:

Select one:

- ⦿ a. A use case decomposes a system into a set of subsystems, which are, in turn, decomposed into further subsystems, and so on ✔
- ○ b. Use cases are the primary modeling tools defining the behavior of the system
- ○ c. Use case describes how the user interacts with the system to perform some activity
- ○ d. A use case focuses on only one business process at a time

The correct answer is: A use case decomposes a system into a set of subsystems, which are, in turn, decomposed into further subsystems, and so on

Question 18

Incorrect   Mark 0.00 out of 1.00

What are primary functions of system analyst in SDLC?

Select one:

- ○ a. Analyze the business opportunities and develop the system
- ○ b. Analyze the business situation and design an information system
- ◉ c. Identifies the opportunities and deploying the system ✗
- ○ d. Conducting the SDLC process by themselves

The correct answer is: Analyze the business situation and design an information system

Question 19

Correct   Mark 1.00 out of 1.00

(i)Who will use the system? (ii)What the system will do? (iii)Where the system will be used? (iv)When the system will be used? (v)How the system will operate? Which are the questions that can be answered during analysis phase?

Select one:

- ○ a. (i), (ii), (v)
- ○ b. (i), (iiI), (v)
- ◉ c. (i), (ii), (iv) ✓
- ○ d. (i), (iv), (v)

The correct answer is: (i), (ii), (iv)

Question 20   Correct   Mark 1.00 out of 1.00

These are deliverables that belong to design deliverable, except

Select one:
- ○ a. Architecture design
- ○ b. Interface design
- ○ c. Database design
- ⦿ d. Use Case design ✓

The correct answer is: Use Case design

Question 21   Correct   Mark 1.00 out of 1.00

Documentation as deliverables for each SDLC stages in large and complex information systems project can be ignored if the project team work closely with the customers and can deliver the systems frequently to satisfy them.

Select one:
- ○ True
- ⦿ False ✓

The correct answer is 'False'.

Question 22   Correct   Mark 1.00 out of 1.00

Effort allocation in implementation phase should be greater than effort allocation in planning, analysis, and design phase.

Select one:
- ○ True
- ⦿ False ✓

The correct answer is 'False'.

Question 23

Correct   Mark 1.00 out of 1.00

Object-oriented methodology encapsulates data and process in the form of class.

Select one:

○ True ✔

○ False

The correct answer is 'True'.

Question 24

Incorrect   Mark 0.00 out of 1.00

Developing an information system can adopt methodology that focus on process, data, or both of process and data.

Select one:

○ True

○ False ✘

The correct answer is 'True'.

Question 25

Incorrect   Mark 0.00 out of 1.00

The important issue to be considered by project team when adopting phased development methodology is standardization in design and implementation phase activities as there is high interdependency of system deliverable that need to be integrated eventually.

Select one:

○ True ✘

○ False

The correct answer is 'False'.

Question 26

Incorrect   Mark 0.00 out of 1.00

Use case diagram becomes the deliverable only in analysis phase.

Select one:

○ True

◉ False ✗

The correct answer is 'True'.

Question 27

Correct   Mark 1.00 out of 1.00

Class diagram becomes the deliverable only in analysis phase.

Select one:

○ True

◉ False ✓

The correct answer is 'False'.

Question 28

Incorrect   Mark 0.00 out of 1.00

A system request presents the current condition of the business and contains the result of analysis and design for the information system being developed.

Select one:

◉ True ✗

○ False

The correct answer is 'False'.

Question 29

Correct   Mark 1.00 out of 1.00

Requirements gathering is part of activities in planning phase of SDLC.

Select one:

○ True

◉ False ✓

The correct answer is 'False'.

Question 30

Correct   Mark 1.00 out of 1.00

The system specification is created by project sponsor and presented to other stakeholders who can decide whether the project should continue to move forward.

Select one:

○ True

◉ False ✓

The correct answer is 'False'.