

National College of Computer Studies
(NCCS-College of IT & Management)
Final Examination (2023)

Set A

BCA/Third Semester/ CACS 203: System Analysis and Design

Candidates are required to answer the questions in their own words as far as practicable.

Full Marks: 10
Time: 20 minutes

Name:

NCCS Reg. no. :.....

Section:

Group "A"

Attempt all the questions.

[10×1=10]

1. Circle the correct answer.

- i) Decision support systems are essential for
 - a. Day-to-day operation of an organization.
 - b. providing statutory information.
 - c. Top level strategic decision making.
 - d. ensuring that organizations are profitable.
- ii) The primary objective of system design is to
 - a. design the programs, databases and test plan
 - b. design only user interfaces
 - c. implement the system
 - d. find out how the system will perform
- iii) Difference between Decision - Tables and Decision Trees is (are):
 - a. value to end user
 - b. form of representation
 - c. One shows the logic while other shows the process
 - d. All of the above
- iv) It is the process in which developers discuss with the client and end users and know their expectations from the software.
 - a. Requirements gathering
 - b. Organizing Requirements
 - c. Negotiation & discussion
 - d. Documentation
- v) _____ suits the Manifesto for Agile Software Development.
 - a. Customer collaboration
 - b. Individuals and interactions
 - c. Working software
 - d. All of the mentioned
- vi) Which one of the following is not a maintenance model?
 - a. Waterfall model
 - b. Reuse-oriented model
 - c. Iterative enhancement model
 - d. Quick fix model
- vii) What is the major drawback of the Spiral Model?
 - a. Higher amount of risk analysis
 - b. Doesn't work well for smaller projects
 - c. Additional functionalities are added later on
 - d. Strong approval and documentation control
- viii) By an external entity, we mean a
 - a. The unit outside the system being designed which can be controlled by an analyst.
 - b. The unit outside the system whose behavior is independent of the system is designed
 - c. A unit external to the system is designed
 - d. A unit which is not part of a DFD
- ix) A menu-driven system
 - a. can be used only by computer professionals
 - b. is required only for on-line systems
 - c. increases the operator's work
 - d. presents options and allows the user to make selections
- x) Which of the following is not an advantages of software reuse?
 - a. lower costs
 - b. faster software development
 - c. high effectiveness
 - d. lower risks

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Group "A"**Attempt all the questions.****[10×1=10]****1. Circle the correct answer.**

- i)can be defined as most recent and perhaps the most comprehensive technique for solving computer problems.
a. System Analysis b. System Data c. System Procedure d. System Record
- ii) The person who ensures that systems are developed on time, within budget, and with acceptable quality is a
a. systems designer b. project manager c. systems owner d. external system user
- iii) is a tabular method for describing the logic of the decisions to be taken.
a. Decision tables b. Decision tree c. Decision Method d. Decision Data
- iv) Which model can be selected if user is involved in all the phases of SDLC?
a) Waterfall Model b) Prototyping Model
c) RAD Model d) both Prototyping Model & RAD Model
- v) An entity set that has a primary key is called as _____
a) Strong entity set b) Weak entity set
c) Complete entity set d) None of the mentioned
- vi) A graphic representation of an information system is called
a) flow chart b) pictogram c) data flow diagram d) histogram
- vii) Which of the following testing is also called Acceptance testing?
a) Beta testing b) White-box testing c) Grey box testing d) Alpha testing
- viii) Changes are made to the system to reduce the future system failure changes are called....maintenance
a. Preventive b. Adaptive c. Corrective d. Perfective
- ix) A feasibility study is carried out
a. after final requirements specifications are drawn up
b. during the period when requirements specifications are drawn up
c. before the final requirements specifications are drawn up
d. at any time
- x) Information requirements of an organization can be determined by
a. interviewing managers and users and arriving at the requirements based on consensus
b. finding out what similar organizations do
c. telling organization what they need based on your experience
d. sending a questionnaire to all employees of the organization