

II Semester Online Examination, 2019-20

* Required

Note: The Question paper has 105 questions comprising of 90 MCQ and 15 SAQ. Each MCQ is of 1 marks and each SAQ is of 2 marks. The Total marks are 120 that will be scaled down to 60. The Total time to solve the paper is 2 Hours/120 minutes.

Q1. The role of MIS is *

1 point

- ☐ select the optimum equipment configurations
- ☐ evaluate alternate equipment configurations
- ☒ describe information needs
- ☐ None of the above

Q2. In first phase of SDLC what we study? *

1 point

- ☐ outputs
- ☐ input (transactions)
- ☐ controls
- ☒ All of the above



Q3. A decision table helps conditions to be related to *

1 point

- ☐ actions
- ☐ programs
- ☒ tables
- ☐ operation

Q4. The example of a hierarchical data structure is *

1 point

- ☐ array
- ☐ link list
- ☒ tree
- ☐ All of the above

Q5. In user acceptance testing *

1 point

- ☒ running the system with line data by the actual user
- ☐ making sure that the new programs do in fact process certain transactions according to Specifications
- ☐ checking the logic of one or more programs in the candidate systems
- ☐ testing changes made in an existing or a new program



Q6. Which factor is not included under quality factor specification *

1 point

- ☐ reliability
- ☐ testability
- ☒ tangibility
- ☐ None of the above

Q7. Tracing, of any input record or process, performed on a system, back to its original source, is an *

1 point

- ☒ audit trail
- ☐ report generation
- ☐ batch processing
- ☐ conversion

Q8. Cost-Benefit analysis involves *

1 point

- ☐ evaluating the tangible and non-tangible factors
- ☐ comparing the cost, with the benefits, of introducing a computer-based system
- ☐ estimating the hardware and software costs
- ☒ All of the above



Q9. A graphic representation of an information system is called *

1 point

- ☐ flow chart
- ☐ pictogram
- ☒ data flow diagram
- ☐ histogram

Q10. The classification of system is *

1 point

- ☐ physical or abstract
- ☐ open or closed
- ☐ man-made information system
- ☒ All of the above

Q11. Which one of following is part of SDLC? *

1 point

- ☐ File conversion
- ☐ Program testing
- ☐ User training
- ☒ All of the above



Q12. The strategy for eliciting information regarding the user's requirements is *

1 point

- ☐ asking questions
- ☐ obtaining information from the existing system
- ☐ prototyping
- ☒ All of the above

Q13. Coding and testing are done in which manner. *

1 point

- ☐ ad hoc
- ☐ cross-sectional
- ☐ bottom-up
- ☒ top-down

Q14. Changes required periodically to a system, after its implementation, is known as system *

1 point

- ☐ analysis
- ☐ design
- ☒ Maintenance
- ☐ none of the above



Q15. A circle shows in DFD *

1 point

- ☐ source or destination of system data
- ☐ identifies data flow
- ☒ represents a process that transforms incoming data flow(s) into outgoing data flows
- ☐ is a data store-data at rest, or a temporary repository of data

Q16. A couple is *

1 point

- ☐ a data item that moves from one module to another
- ☒ represented by a line joining two modules
- ☐ that the upper module has the capability of calling the lower module
- ☐ none of the above

Q17. An appraisal, of a system's performance after it has been installed, is called system *

1 point

- ☐ planning
- ☒ review
- ☐ maintenance
- ☐ batch Processing



Q18. Main characteristics of closed system is *

1 point

- ☒ Isolated from environmental influences
- ☐ Entropy
- ☐ takes input from output
- ☐ Differentiation

Q19. The example of managerial information is *

1 point

- ☐ population growth
- ☒ sales analysis
- ☐ overdue purchase order
- ☐ current stock available for sale

Q20. The advantage of DSS over MIS is *

1 point

- ☐ It assists management in decision making
- ☐ It provides intelligence through information retrieval and statistical packages
- ☐ it is independent of MIS
- ☒ all of above



Q21. Which one method is not used in cost/benefit analysis *

1 point

- ☐ Payback analysis
- ☐ present value analysis
- ☒ break-even analysis
- ☐ purchase order analysis

Q22. Enhancements, upgrades, and bug fixes are done during the steps *

1 point

- ☒ Maintenance and Evaluation
- ☐ Problem/Opportunity Identification
- ☐ Design
- ☐ Development and Documentation

Q23. The role of a system analyst drawing up a requirements is *

1 point

- ☐ a contractor constructing a building
- ☐ a structural engineer designing a building
- ☒ architect designing a building
- ☐ the workers who construct a building



Q24. System test plan is specified *

1 point

- ☐ when the final specifications are drawn up
- ☐ during feasibility study
- ☐ during the requirements specifications stage
- ☒ during system study stage

Q25. Hardware study is required *

1 point

- ☐ to find out cost of computer system needed
- ☒ to determine the type of computer system and software tools needed to meet the final system specification
- ☐ to make sure that the system does not become obsolete
- ☐ to find how to implement the system

Q26. The first step in the process of hardware/software selection is

1 point

_____.

- ☒ Prepare a requirement analysis
- ☐ specify system specifications
- ☐ prepare a request for proposal
- ☐ rank vendor proposals



Q27. The main criteria for software selection is/are _____. *

1 point

- ☐ reliability
- ☐ functionality
- ☐ flexibility
- ☒ all of above

Q28. Inadequate testing or non-testing leads to _____ that may be costly when they appear months later. *

1 point

- ☐ accuracy
- ☐ recovery
- ☒ errors
- ☐ security

Q29. The main purpose of system testing is to identify and correct _____ in candidate system. *

1 point

- ☐ turnaround time
- ☐ backup
- ☐ human factor with a focus on ergonomics
- ☒ errors



Q30. Quality assurance specialist use three levels of quality assurance_____.*

1 point

- ☒ compiling,assembling and error tolerance
- ☐ testing, validation and certification
- ☐ Online response, volume and stress
- ☐ recovery, security and usability

Q31. An important function of control is to provide_____.*

1 point

- ☐ structure analysis
- ☒ audit trail
- ☐ review specification
- ☐ system test

Q32. A form is the _____ carrier of data.*

1 point

- ☐ virtual
- ☐ graphical
- ☐ physical
- ☒ printed



Q33. Forms are classified in ___ main category . *

1 point

- ☒ 3
- ☐ 2
- ☐ 5
- ☐ 9

Q34. media device _____ is available for providing computer based output. *

1 point

- ☐ graph plotters
- ☒ magnetic disk
- ☐ scanner
- ☐ OCR

Q35. system design is a transition from a user oriented document to a _____ oriented to programmers or data base personnel. *

1 point

- ☐ source
- ☒ document
- ☐ user
- ☐ logical



Q36. structure design is a _____ based methodology. *

1 point

- ☐ graphical
- ☐ logical
- ☒ data-flow
- ☐ traditional

Q37. the method for processing control and data validation is/are _____. *

1 point

- ☐ batch processing
- ☐ completeness check
- ☐ sequence check
- ☒ all of the above

Q38. cost and benefit can be classified into ____ main category. *

1 point

- ☐ 2
- ☒ 3
- ☐ 5
- ☐ 6



Q39. Three key consideration involved in feasibility analysis are economic, technical and _____. *

1 point

- ☐ manegerial
- ☐ behavioral
- ☐ physical
- ☒ operational

Q40. _____ observation occurs in a setting such as employees place of work. *

1 point

- ☐ obtrusive or unobtrusive
- ☐ direct or indirect
- ☒ structured or unstructured
- ☐ natural or contrived

Q41. System Study involves *

1 point

- ☐ study of an existing system
- ☐ documenting the existing system
- ☐ identifying current deficiencies and establishing new goals
- ☒ All of the above



Q42. The primary tool used in structured design is a *

1 point

- ☒ structure chart
- ☐ data-flow diagram
- ☐ program flowchart
- ☐ module

Q43. The approach used in top-down analysis and design is *

1 point

- ☐ to identify the top level functions by combining many smaller components into a single entity
- ☐ to prepare flow charts after programming has been completed
- ☒ to identify a top level function and then create a hierarchy of lower-level modules and components.
- ☐ all of the above

Q44. The rule(s) to follow in constructing decision tables is (are) *

1 point

- ☐ a decision should be given a name
- ☐ the logic of the table is independent of the sequence in which conditions rules are written, but the action takes place in the order in which the events occur.
- ☐ standardized language must be used consistently.
- ☒ All of the above



Q45. The ____ symbol is used in a flowchart to represent a step that gets information from the user. *

1 point

- ☒ Input/Output
- ☐ Process
- ☐ Selection/repetition
- ☐ Start/Stop

Q46. A system design aid should primarily *

1 point

- ☒ help analyse both data and activities
- ☐ help in documentation
- ☐ generate code
- ☐ using a graphical user interface

Q47. A feasibility document should contain all of the following except *

1 point

- ☐ project name
- ☒ problem descriptions
- ☐ feasible alternative
- ☐ data-flow diagrams



Q48. Which of the following is not considered a tool at the system Design phase? * 1 point

- ☐ Data-Flow Diagram
- ☐ Decision Table
- ☒ Pie chart
- ☐ System Flowchart

Q49. A Decision table * 1 point

- ☐ represents the information flow
- ☒ documents rules, that select one or more actions, based on one or more conditions, from a set of possible conditions.
- ☐ gets an accurate picture of the system
- ☐ shows the decision paths

Q50. The background and experience of analyst include * 1 point

- ☐ a background in systems theory and organization behavior
- ☐ familiarity with the makeup and inner workings of major application areas such as financial accounting, personnel administration, marketing and sales, operations management, model building, and production control.
- ☐ competence in system tools and methodologies and a practical knowledge of one or more programming and data base languages.



☒ All of the above

Q51. Structured design methodology is an approach to design that adheres to rules based on principles such as *

1 point

- ☐ top-down refinement
- ☐ bottom-up design
- ☒ data flow analysis
- ☐ All of the above

Q52. A system analyst designs a new system by *

1 point

- ☒ identifying sub systems and the interfaces between sub systems
- ☐ adopting a developed system to the present environment
- ☐ developing the system as a large, single unit
- ☐ propose alternatives to the current system

Q53. A Pseudo code is *

1 point

- ☐ a machine - level code
- ☐ a random number
- ☐ a flow chart
- ☒ Structured English to communicate the logic of a program



Q54. To easily modify the existing system it is necessary to *

1 point

- ☐ use good software tools
- ☐ use the best hardware available
- ☒ design the system which can be changed at low cost
- ☐ keep the programming team happy

Q55. A graphic representation of an information system is called *

1 point

- ☐ flow chart
- ☐ pictogram
- ☒ data flow diagram
- ☐ histogram

Q56. The Data flow diagram (DFD) shows *

1 point

- ☐ the flow of data
- ☐ the processes
- ☐ the areas where they are stored
- ☒ All of the above



Q57. A data flow diagram is *

1 point

- ☐ the modern version of flowchart
- ☒ mainly used at the systems specification stage
- ☐ the primary output of the systems design phase
- ☐ All of the above

Q58. Data dictionary contains detail of *

1 point

- ☐ data structures
- ☐ data flows
- ☐ data stores
- ☒ All of the above

Q59. During system study, data can be collected through *

1 point

- ☐ questionnaires
- ☐ interviews
- ☐ on-site observations
- ☒ All of the above



Q60. Which of the following tools is not used for process descriptions? * 1 point

- ☐ Pseudo codes
- ☐ decision tables
- ☐ structured English
- ☒ data dictionaries

Q61. Which of the following is/are documents developed in SDLC? * 1 point

- ☒ SRS
- ☐ test case suite
- ☐ test plan
- ☐ all of the above

Q62. A requirement is * 1 point

- ☒ a condition
- ☐ an expectation
- ☐ a dream
- ☐ all of the above



Q63. Which of the following is/are requirements elicitation technique(s)? * 1 point

- ☐ survey
- ☐ polling
- ☐ brainstorming
- ☒ all of the above

Q64. The verifiability of SRS means * 1 point

- ☒ that SRS is testable for its completeness
- ☐ that SRS is testable for its consistency
- ☐ that SRS is quantifiable to measure
- ☐ that SRS is testable for its closeness to requirements

Q65. Which of the following is/are not member(s) of DFD? * 1 point

- ☐ external entity
- ☐ data store
- ☐ process
- ☒ predicate



Q66. Which of the following statements about data store is true? *

1 point

- ☒ it is represented by an oval
- ☐ it represents non-moving data
- ☐ it communicates with data store and processes
- ☐ none of the above

Q67. Levelling of DFD is carried out *

1 point

- ☐ till level 2
- ☒ till level 3
- ☐ till algorithmic level
- ☐ depending on the problem at hand

Q68. A good design needs to be *

1 point

- ☐ maintainable
- ☐ testable
- ☐ abstract and detailed
- ☒ all of the above



Q69. Top-down methodology of software design works from *

1 point

- ☐ the highest level of abstraction to the lowest
- ☐ the maximum details to the least
- ☐ the maximum technical coverage to the least
- ☒ all of the above

Q70. Bottom-up methodology of software design works from *

1 point

- ☐ the highest abstraction to the lowest
- ☐ the maximum details to the least
- ☐ the maximum technical coverage to the least
- ☒ all of the above

Q71. What is/are the cause(s) of coupling in modules? *

1 point

- ☒ inter-module linkages
- ☐ intra-module linkages
- ☐ environmental linkages
- ☐ all of the above



Q72. What is/are the cause(s) of cohesion in modules? *

1 point

- ☐ inter-module linkages
- ☒ intra-module linkages
- ☐ environmental linkages
- ☐ all of the above

Q73. The waterfall model is generally used for the projects of high experiences and low risks. what can be the design methodology used in such projects? *

1 point

- ☒ top-down
- ☐ bottom-up
- ☐ hybrid
- ☐ any of the three, depending on the problem

Q74. Acceptance testing is done by *

1 point

- ☐ developer
- ☐ tester
- ☐ client/consumer
- ☒ any of the above



Q75. Regression testing is done to ensure *

1 point

- ☐ that new features work as expected
- ☐ that the product does not cause compatibility problem
- ☐ better performance of the product
- ☒ that the existing features continue to work correctly

Q76. Memory form is an example of? *

1 point

- ☒ purchase order form
- ☐ report form
- ☐ bond register form
- ☐ profit & loss statement form

Q77. Source documents can be entered into the system through _____. *

1 point

- ☐ through line printer
- ☐ through ink-jet printer
- ☒ through punch cards
- ☐ All of the above



Q78. For MICR which statement is/are true? *

1 point

- ☒ MICR translates the special fonts printed in magnetic ink on checks into directed computer input
- ☐ MICR translates the special picture printed in magnetic ink on checks into directed computer output
- ☐ MICR read the special fonts printed in magnetic tape
- ☐ All of the above

Q79. A computer-based information system_____. *

1 point

- ☐ should not have any manual tasks
- ☒ may require some tasks to be done manually
- ☐ is always fully automated
- ☐ may use only computers

Q80. Structured walk through method is *

1 point

- ☐ discussion method
- ☐ survey method
- ☐ observation method
- ☒ all of the above



Q81. Which of the following is/are true about requirements and specifications? *

1 point

- ☐ they are the same
- ☐ they are not the same and interchangeable
- ☒ they are not the same but used interchangeably
- ☐ all of the above

Q82. No process can have only outputs is known as *

1 point

- ☐ a miracle
- ☐ a black hole
- ☐ a sink
- ☒ a source

Q83. A Pseudo code is *

1 point

- ☐ a machine - level code
- ☐ a random number
- ☐ a flow chart
- ☒ structured English to communicate the logic of a program



Q84. A tester needs *

1 point

- ☐ good programming skills
- ☒ good analytical skills
- ☐ good SRS writing skills
- ☐ good designing skills

Q85. Requirements can come from *

1 point

- ☐ Customers
- ☐ analysts
- ☐ customers and users
- ☒ analysts, customers, and users

Q86. The background and experience of analyst include *

1 point

- ☐ a background in systems theory and organization behavior
- ☐ familiarity with the makeup and inner workings of major application areas such as financial accounting, personnel administration, marketing and sales, operations management, model building, and production control.
- ☐ competence in system tools and methodologies and a practical knowledge of one or more programming and data base languages
- ☒ all the above



Q87. which of the following is an error in DFD? *

1 point

- ☐ process with both input and output
- ☐ data store with both input and output
- ☐ entity with both input and output
- ☒ none of the above

Q88. Software maintenance can involve *

1 point

- ☐ removing residual bugs
- ☐ patch installations
- ☐ changing user interface
- ☒ all of the above

Q89. White-box testing can be started *

1 point

- ☐ after SRS creation
- ☐ after designing
- ☒ after programming
- ☐ after installation



Q90. Software process is about *

1 point

- ☐ programming
- ☐ development, installation, and operation of software
- ☐ testing and debugging the software
- ☒ all of the above

Q91. what is system. *

2 points

Your answer

Q92. write the name of elements of system. *

2 points

Your answer

Q93. Write phases of SDLC. *

2 points

Your answer

Q94. Write the name of technical skills of system analyst? *

2 points



Your answer

Q95. What are roles of system analyst? *

2 points

Your answer

Q96. What are three categories of information? *

2 points

Your answer

Q97. Write the name of information gathering tools. *

2 points

Your answer

Q98. What is questionnaire? *

2 points

Your answer

Q99. Give the name of symbols used in DFD. *

2 points

Your answer

Q100. Write the name of any six method used in cost/benefit analysis. *

2 points



Your answer

Q101. How many phases does system go through development. *

2 points

Your answer

Q102. what is form? *

2 points

Your answer

Q103. What are the elements used in functional decomposition approach. *
2 points

Your answer

Q104. Give the name of media devices that are available for providing computer based output. *
2 points

Your answer

Q105. How many are types of system testing? *
2 points

Your answer



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