

SECTION-A

खण्ड-अ

Marks : 50

Time : 1½ Hours.

Candidates are required to first answer the Section-A (Multiple Choice Questions) by marking correct choice on OMR Sheet in prescribed time. All questions are compulsory and carry equal marks. There is no negative marking for wrong answers.

सर्वप्रथम खण्ड-अ के सभी वस्तुनिष्ठ प्रश्नों के उत्तर ओ.एम.आर. शीट में परीक्षार्थियों को निश्चित समय में देने हैं। सभी प्रश्न अनिवार्य एवं समान अंक के हैं। गलत उत्तर का ऋणात्मक मूल्यांकन नहीं किया जाएगा।

UNIT-I

1. System study involves
 - (A) Study of existing system
 - (B) Documentation of existing system
 - (C) Identifying current deficiencies and establishing new goals
 - (D) All the above
2. The primary tool used in structured design is
 - (A) Structure chart
 - (B) Data-flow diagram
 - (C) Program flow chart
 - (D) Module
3. The step-by-step instructions that solve a problem are called
 - (A) an algorithm
 - (B) a list
 - (C) a plan
 - (D) a sequential structure
4. The symbol is used in a flow chart to represent a step that gets information the user.
 - (A) Input/output
 - (B) Process
 - (C) Selection/repeation
 - (D) Start/stop
5. The records in a file or magnetic tape
 - (A) can only be accessed serially
 - (B) have to be arranged in a key sequence
 - (C) are meant for backup
 - (D) cannot be transferred to a disk file
6. In the system concepts, term integration
 - (A) implies structure and order
 - (B) refers to the manner in which each component functions with other component of the system
 - (C) means that parts of the computer system depends on one another
 - (D) refers to the holism of systems

7. Which of the following is not a characteristic of good test data?
- (A) User do not participate at this preliminary stage
 - (B) Should be comprehensive
 - (C) Every statement should be executed
 - (D) All of the above
8. An example of hierarchical data structure is
- (A) array
 - (B) link list
 - (C) tree
 - (D) All the above
9. Which of the following appropriately explains the desirable characteristics of good system design?
- (A) Modular approach
 - (B) Proper documentation
 - (C) Conversion
 - (D) Long discussions
10. During the system study, the executive Vice-President and the other Managers execute their responsibility of
- (A) Planning
 - (B) Controlling
 - (C) Directing
 - (D) Organizing

UNIT-II

11. A is an outline of a process that keeps develop successful information system.
- (A) System development life cycle
 - (B) Case tool
 - (C) Phased conversion
 - (D) Success factors
12. On the feasibility committee, department representative serve as
- (A) Direct users of the new system
 - (B) Liason to their department
 - (C) Ready source of information
 - (D) All of the above
13. A decision table facilities condition to be related to
- (A) action
 - (B) program
 - (C) tables
 - (D) operation
14. Problem analysis is done during
- (A) system design phase
 - (B) system analysis phase
 - (C) before system test
 - (D) All of the above

15. Decision tree uses
- (A) pictorial depiction of alternate conditions
 - (B) nodes and branches
 - (C) consequences of various depicted alternates
 - (D) All the above
16. To run the old system and the new system at the same time for a specific period, system implementation approach used is
- (A) pilot
 - (B) phased
 - (C) parallel
 - (D) direct
17. During the maintenance phase
- (A) system requirement are established
 - (B) system analysis is carried out
 - (C) programs are tested
 - (D) None of the above
18. In the phase 1 of the SDLC, which of the following aspects are usually analyzed?
- (A) Output
 - (B) Input (Transactions)
 - (C) Control
 - (D) All of the above
19. Which of the following is not true of the conversion phase of the development life cycle?
- (A) The user and systems personnel must work closely together
 - (B) Steps must be taken to phase out the old system
 - (C) Documentation should be emphasized
 - (D) The non-machine components of the system should be considered
20. System Implementation phase entails
- (A) system check out
 - (B) pilot run
 - (C) parallel run
 - (D) All the above
- UNIT-III**
21. Documentation is prepared
- (A) at every state
 - (B) at system design
 - (C) at system analysis
 - (D) None of these

22. The approach used in top-down analysis and design is
- (A) to identify the top level functions by combining many smaller components a single entity
 - (B) to prepare flow charts after programming has been completed
 - (C) to identify a top level function and then create a hierarchy of lower-level modules and components
 - (D) All of the above
23. Which of the following is not a factor in the failure of the system development projects?
- (A) Size of the company
 - (B) Inadequate user involvement
 - (C) Failure of system integration
 - (D) None of these
24. Two characteristics of Input are
- (A) energies and maintenance
 - (B) maintenance and waste
 - (C) maintenance and signal
 - (D) procedure and waste
25. Which are the tools not used for system analysis?
- (A) System-test data
 - (B) Decision table
 - (C) Data flow diagram
 - (D) Flow chart
26. How many steps are in the system development life cycle (SDLC)?
- (A) 4
 - (B) 5
 - (C) 6
 - (D) 10
27. The first step in the system development life cycle is
- (A) Analysis
 - (B) Design
 - (C) Problem identification
 - (D) Development and documentation
28. The organised process or set of steps that need to be followed to develop an information system is known as the
- (A) analytical cycle
 - (B) design cycle
 - (C) program specification
 - (D) SDLC

29. In the analysis phase, the development of the occurs, which is a clear statement of the goals and objectives of the project.

- (A) documentation
- (B) flow chart
- (C) program specification
- (D) design

30. Debugging is

- (A) creating program code
- (B) finding and correcting error in the program code
- (C) identifying task to be computerized
- (D) creating the algorithm

UNIT-IV

31. the process of translating a task into a series of command that a computer will use to perform that task.

- (A) Project design
- (B) Installation
- (C) System analysis
- (D) Programming

32. The problem statement should include all of the following, except

- (A) input
- (B) output
- (C) processing
- (D) storage

33. design and implement database structures.

- (A) Programmers
- (B) Project managers
- (C) Technical writers
- (D) Database administrator

34. Technical writers generally provide for the new system.

- (A) programs
- (B) network
- (C) analysis
- (D) documentation

35. includes review of the existing procedure and information flow.

- (A) Feasibility study
- (B) Feasibility report
- (C) System design
- (D) System analysis

36. A system is no more than idea.

- (A) conceptual
- (B) logical
- (C) physical
- (D) All the above

UNIT-V

- 37. refers to the collection of information pertinent to system project.
(A) Data transfer
(B) Data gathering
(C) Data embedding
(D) Data request
- 38. A rectangle in DFD represents
(A) a process
(B) a data store
(C) an external entity
(D) an input unit
- 39. MDP stands for
(A) Master Development Plan
(B) Master Design Process
(C) Master Database Plan
(D) None of the above
- 40. Decision making model was proposed by
(A) Harry Goode
(B) Herbert A. Simon
(C) Recon Michal
(D) None of these

- 41. Advantages of system flow charts
(A) effective communication
(B) effective analysis
(C) quesier group or relationships
(D) All the above
- 42. is an important factor of management information system.
(A) System
(B) Data
(C) Process
(D) All the above
- 43. can be defined most recent and perhaps the most comprehensive technique for solving computer problems.
(A) System analysis
(B) System data
(C) System procedure
(D) System record
- 44. In a DFD external entities are represented by a
(A) rectangle
(B) ellipse
(C) diamond shaped box
(D) circle

45. Which of the following is/are the level of documentation?

- (A) Documentation for management
- (B) Documentation for user
- (C) Documentation for processing department
- (D) All the above

46. What are the testing levels?

- (A) Unit testing
- (B) Integration testing
- (C) System testing
- (D) All the above

47. A is anything that can cause harm.

- (A) vulnerability
- (B) phishing
- (C) threat
- (D) spoof

48. The of a threat measures its potential impact on a system.

- (A) vulnerabilities
- (B) countermeasures
- (C) degree of harm
- (D) susceptibility

49. To recover files from a backup, you perform a

- (A) restore
- (B) scan
- (C) unerase
- (D) copy

50. The phrase describes viruses, worms, trojan horse attack applets and attack scripts.

- (A) malware
- (B) spam
- (C) phishing
- (D) virus

UNIT-IV

7. What is meant by system implementation? Discuss various types of testing.
8. Write short notes on the following :
 - (a) Quality assurance
 - (b) Project scheduling
 - (c) Audit trail.

UNIT-V

9. Explain the security and recovery in system development.
10. Write short notes on the following :
 - (a) Threats to system security
 - (b) Disaster/Recovery planning.