SYSTEM ANALYSIS AND DESIGN

SMC 4ᵗʰ sem

Sukuna Multiple campus

MCQ

1.System Study involves

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

2. **The primary tool used in structured design** is a:

- **structure chart**
- data-flow diagram
- program flowchart
- module

3. In Prototyping

- BASIC is used
- COBOL is used
- **4GLs are used**
- system is documented

4. The step-by-step instructions that solve a problem are called _____.

- **An algorithm**
- A list
- A plan
- A sequential structure

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

- 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 an d then create a hierarchy of lower-level modules and components.**
- All of the above

6**. Which of the following is not a factor in the failure of the systems developments projects?**

- **size of the company**
- inadequate user involvement
- failure of systems integration
- continuation of a project that should have been cancelled

7. A problem's _____ will answer the question, "What information will the computer need to know in order to either print or display the output times?"

- **Input**
- Output
- Processing
- Purpose

8. The two classifications of inputs are

- energies and maintenance
- maintenance and waste
- **maintenance and signal**
- products and waste

9. Documentation is prepared

- **at every stage**
- at system design
- at system analysis
- at system development

10. System Implementation Phase entails

- **System check outs**
- Pilot run
- Parallel runs
- All of the above

11. Positive testing is

- 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**
- is checking the logic of one or more programs in the candidate system
- testing changes made in an existing or a new program

12. During the maintenance phase

- System requirements are established
- System analysis is carried out
- Programs are tested
- **None of the above**

13. **To run the old system and the new system at the same time for a specified period, the system implementation approach used is**

- pilot
- phased
- **parallel**
- direct

14. **The mistake, committed by interchanging two digits in a numeric held, during data entry, is called**

- **transposition error**
- transcription error
- Beta testing error
- Alpha testing error

15. **Problem analysis is done during**

- system design phase
- **systems analysis phase**
- before system test
- All of the above

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

- planning
- **review**
- maintenance
- batch Processing

17. **Which of the following is (are) not a tool for Application Prototyping?**

- Application generators
- **third generation language**
- screen generators
- report generators

18. **Which of the following appropriately explains the desirable characteristic of good system design?**

- **Modular approach**
- Proper documentation
- Conversion
- Long discussions

19. **An example of a hierarchical data structure is**

- array

- link list
- **tree**
- All of the above

20. In the system concepts, term Integration

- implies structure and order
- refers to the manner in which each component functions with other components of the system.
- means that parts of the computer system depend on one another.
- **refers to the holism of systems**

21. Management's decision to rent a computer system may be based upon

- tax advantages
- desire to avoid a large one-time payment
- operational flexibility in changing hardware
- **All of the above**

22. Acceptance testing is

- **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
- is checking the logic of one or more programs in the candidate systems
- testing changes made in an existing or a new program

23. The _____ symbol is used in a flowchart to represent a step that gets information from the user.

- **Input/Output**
- Process
- Selection/repetition
- Start/Stop