1. In Flowchart, which symbol is used for Decision?
   A. Oval
   B. Diamond
   C. Parallelogram
   D. Trapezium

2. Which of the following step is not involved in an Application Access Control mechanism process?
   A. Identification
   B. Authentication
   C. Confidentiality
   D. Authorization

3. What does ACID Test in a Transaction Processing System (TPS) stand for?
   A. Atomicity, Confidentiality, Isolation, Durability
   B. Authenticity, Confidentiality, Integrity, Durability
   C. Authenticity, Consistency, Integrity, Durability
   D. Atomicity, Consistency, Isolation, Durability

4. In Computer networks, _________ is defined as an inherent weakness in the design, configuration, or implementation of a network or system that renders it susceptible to a threat.
   A. Threat
   B. Vulnerability
   C. Risk
   D. Exploit

5. In terms of Computer Network Topology, which of the following statement is incorrect?
   A. Star network has a central unit that has a number of terminals tied into it.
   B. In Bus network, even if one node fails, it does not affect the entire network.
   C. Ring networks do not require a central computer to control activity nor does it need a file server.
   D. In Mesh network, if one node fails, the whole system breaks down.

6. Which of the threat is not covered under Security Management Controls?
   A. Natural Calamities
   B. Structural Damage
   C. Pollution
   D. Hackers

7. The data transmission through keyboard is an example of ________________ mode.
   A. Simplex
   B. Half-duplex
   C. Full-Duplex

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8. In terms of Entity Relationship (E-R) Diagram, which of the following statement is incorrect?
   A. Boxes are commonly used to represent entities.
   B. Diamonds are normally used to represent relationships.
   C. Diamonds are normally used to for decision making.
   D. Ovals are used to represent attributes.

9. The steps involved during the processing of Credit card are – (i) Authorization (ii) Clearing (iii) Funding and (iv) Batching.
   Arrange them sequentially.
   A. (i), (iv), (ii), (iii)
   B. (i), (ii), (iii), (iv)
   C. (iv), (iii), (ii), (i)
   D. (ii), (iii), (i), (iv)

10. Tick the incorrect statement.
    A. Variable length instructions are commonly used with Complex Instruction Set Computer (CISC) machines.
    B. Memory space is wasted by Complex Instruction Set Computer (CISC)
    C. Fixed length instructions are commonly used with Reduced Instruction Set Computer (RISC) processors.
    D. Fixed length instructions are commonly used on Complex Instruction Set Computer (CISC) machines.

11. Which of the following is not true about Secondary Storage memory devices?
    A. Random Access Memory (RAM) is an example of Secondary Storage device.
    B. Greater capacity (they are available in large size)
    C. Non-volatile (contents are permanent in nature)
    D. Slow speed (slower in speed compared to registers or primary storage)

12. In computer network, ________ refers to the ability of a network to recover from any kind of error like connection failure, loss of data etc.
    A. Bandwidth
    B. Resilience
    C. Routing
    D. Contention

13. Arrange the following phases of System Development Life Cycle (SDLC) in order. (i) Investigate (ii) Maintenance and Review (iii) Analyse (iv) Implement (v) Design.
    A. (i), (ii), (iii), (v), (iv)
    B. (i), (iii), (v), (ii)
    C. (iii), (i), (iii), (v), (iv)
    D. (i), (iii), (iv), (v), (ii)
14. Audit Trail is an example of ____________ Control.
   A. Detective
   B. Application
   C. Preventive
   D. Corrective

15. Which of the following does not constitute part of "Phase II: System Analysis" of System Development Life Cycle (SDLC)?
   A. Observation of current procedures
   B. Sending out questionnaires
   C. Interviewing staff
   D. Technical Feasibility

16. In case of development of Business Continuity Plan (BCP), which of the following is not an objective of performing BCP Tests?
   A. The recovery procedures are complete and workable.
   B. The competence of personnel in their performance of recovery procedures can be evaluated.
   C. To identify the critical business processes.
   D. The success or failure of the business continuity training program is monitored.

17. Which of the following is true about Spiral Model?
   A. It combines features of the prototyping model and waterfall model.
   B. It combines features of the prototyping model only.
   C. It combines features of the waterfall model only.
   D. It is intended for small and simple projects.

18. Mr. Manager has been assigned an urgent task of deciding how much manpower would be needed for completing a new project, so that recruitments can be scheduled accordingly. Which type of Information Systems would be used here?
   A. Strategic-level
   B. Management-level
   C. Knowledge-level
   D. Operational-level

19. __________ is an amalgamation of hardware, software and other resources used to smoothen the progress of communications and augment efficiency.
   A. Transaction Processing Systems
   B. Office Automation Systems
   C. Decision Support Systems
   D. Knowledge Management Systems

20. Organisations can extract maximum benefits by using the available resources to their best advantage, keeping the operational cost as low as possible through the ________ strategy.
   A. Business Process Re-engineering
   B. Business Process Automation

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C. Information Processing  
D. Data Mining  
21. Design, Implementation and Maintenance of application systems is the core responsibility of______________.  
A. Data Administration  
B. Programming Management  
C. Systems Development Management  
D. Top Management  

22. __________ is a small form factor version of a pen computer, a class of laptop whose specifications were launched by Microsoft and Intel in spring 2006.  
A. AMPCs  
B. CMPCs  
C. SMPCs  
D. UMPCs  

23. _____ begins when a financial event occurs and ends with its inclusion in the financial statements.  
A. E-filing  
B. System Maintenance  
C. Book keeping  
D. Auditing  

24. _____ is the methodology used to improve end-to-end business processes.  
A. E-filing  
B. Auditing  
C. Business Process Management  
D. System Maintenance  

25. __________ in the communication cable minimizes the interference and distortion of the signal the cable carries  
A. Insulation  
B. Fibre  
C. Conductor  
D. None of the above  

**Solution**

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