

Paper 7A Information Technology (Old Course)

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

- D. Half Simplex
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), (iv), (ii)
 - C. (ii), (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

- 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

1	B	2	C
3	D	4	B
5	D	6	A
7	A	8	C
9	A	10	D
11	A	12	B
13	B	14	A
15	D	16	C
17	A	18	A

19	B	20	B
21	C	22	D
23	C	24	C
25	A		