

Paper 7A Information Technology (Old Course)

1 In Database Management Systems (DBMS) concept, which of the following statement is not correct?

- (a) File is a collection of Records
- (b) Field is a collection of characters
- (c) Characters of a collection of bits
- (d) Record is a collection of files

2 An aspiring CA in his interview CA was asked to provide correct sequence of the following sub-processes that represent Accounting Process Flow. The sub processes are - (1) Source Document, (2) Financial Statement, (3) Adjustments, (4) Ledger, (5) Adjusted Trial Balance, (6) Closing Entries, (7) Journal and (8) Trial Balance. What should be the answer?

- (a) (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8)
- (b) (4)-(3)-(7)-(6)-(1)-(2)-(8)-(5)
- (c) (1)-(7)-(4)-(8)-(3)-(5)-(6)-(2)
- (d) (8)-(5)-(3)-(1)-(2)-(4)-(6)-(7)

3 In a three-tier architecture, which layer is responsible for controlling application functionality by performing detailed processing?

- (a) Application Layer
- (b) Operating System Layer
- (c) Database Layer
- (d) Session Layer

4 Google App Engine is an example of _____.

- (a) Network as a Service (NaaS)
- (b) Platform as a Service (PaaS)
- (c) Infrastructure as a Service (IaaS)
- (d) Communication as a Service (CaaS)

5 In Open Systems Interconnection (OSI) Model, _____ provides for full-duplex, half-duplex or simplex operation; and establishes check pointing; adjournment, termination, and restart procedures.

- (a) Network Layer
- (b) Presentation Layer
- (c) Transport Layer
- (d) Session Layer

6 In Flowchart, which symbol is used for Decision ?

- (a) Oval
- (b) Diamond
- (c) Parallelogram
- (d) Trapezium

7. Which of the following step is not involved in an Application Access Control mechanism process?

- (a) Identification
- (b) Authentication
- (c) Confidentiality
- (d) Authorization

8 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

9 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

10 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.

11 Which of the threat is not covered under Security Management Controls?

- (a) Natural Calamities
- (b) Structural Damage
- (c) Pollution
- (d) Hackers

12 The data transmission through keyboard is an example of _____ mode.

- (a) Simplex
- (b) Half-duplex
- (c) Full - Duplex
- (d) Half Simplex

13 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.

14 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)

15 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.

16 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)

17 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

18 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)

19 Audit Trail is an example of _____ Control.

- (a) Detective
- (b) Application
- (c) Preventive
- (d) Corrective

20 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