

The answer of Question No. 28 has been revised. Students are advised to keep a note of the same.

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)
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- (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)
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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.

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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

21. Which symbol in flowchart will always have at least two outputs?

- (a) Process
- (b) Document
- (c) Decision
- (d) Start

22. In a proposed system, entity finds that system does not have an option to modify rates of TDS. The need may arise whenever law changes in future. This failure may be defined as failure of...

- (a) Economic Feasibility
- (b) Legal Feasibility
- (c) Operational Feasibility
- (d) Schedule Feasibility

23. While moving from traditional approach to modern approach during use of BPM technology, which step is added to traditional approach.

- (a) Presentation
- (b) Process
- (c) Database
- (d) Application

24. DMAIC are steps for which performance standard.

- (a) Six Sigma
- (b) BPR
- (c) TQM
- (d) ISO

25. Which Business Process is situated at top of all other processes.

- (a) Goal
- (b) Implementation
- (c) Management
- (d) Strategy

26. The term class / sub-class shall find reference in which type of database.
- (a) RDBMS
 - (b) OODBMS
 - (c) Network Database
 - (d) Hierarchical Database
27. Which of the following is not a component of Decision Support System (DSS)?
- (a) User
 - (b) Database
 - (c) Model Base
 - (d) Artificial Intelligence (AI)
28. All but one can be used as an input as well as an output device.
- (a) Keyboard
 - (b) Printer
 - (c) ATM Monitor
 - (d) Scanner
29. Companies are using special software to help employee perform better as a team. Select the ODD one out.
- (a) Teamware
 - (b) Collaboration Software
 - (c) Groupware
 - (d) Hardware
30. A company is using Google Cloud Service for hosting its data / application. This use by the company of Google cloud can be classified as..
- (a) Public Cloud
 - (b) Private Cloud
 - (c) Hybrid Cloud
 - (d) Community Cloud
31. For an organization that is subject to changing business needs, which network architecture would be preferred.
- (a) Two Tier
 - (b) Three Tier
 - (c) Single Tier
 - (d) Application Tier
32. In terms of geographical spread, which has the largest footprint?
- (a) Local Area Network (LAN)
 - (b) Metropolitan Area Network (MAN)
 - (c) Wide Area Network (WAN)
 - (d) Virtual Area Network (VAN)

33. Which network device is used to extend a BUS network?
- (a) Hub
 - (b) Switch
 - (c) Modem
 - (d) Repeater
34. Protocol defines the following aspects of digital communication except,
- (a) Source
 - (b) Semantics
 - (c) Timing
 - (d) Syntax
35. TATA Steel Ltd., allows its vendors to login to its system through Login Ids and passwords. This is a good example of..
- (a) Internet
 - (b) Intranet
 - (c) Extranet
 - (d) World Wide Web (WWW)
36. 5 Right's, namely; Right Time, Right Customer, Right Price, Right Place and Right Product are part of _____.
- (a) Enterprise Resource Planning (ERP)
 - (b) Customer Relationship Management (CRM)
 - (c) Supply Chain Management (SCM)
 - (d) Core Banking System (CBS)
37. Vouchers would be part of which system.
- (a) Transaction Processing System (TPS)
 - (b) Knowledge Management Systems (KMS)
 - (c) Decision Support System (DSS)
 - (d) Enterprise Information Systems (EIS)
38. A school system send a SMS to parent's / guardian's of student if attendance has not been marked on school's bio-metric attendance system. This is a good example of..
- (a) Attendance System
 - (b) Biometric System
 - (c) Business Process Automation
 - (d) Business Process
39. System providing information to help management to launch a new product shall be best classified as..
- (a) Management Level System
 - (b) Operational Level System
 - (c) Knowledge Level System
 - (d) Strategic Level System

40. All are types of Expert System, except..
- (a) Example Based
 - (b) Rule Based
 - (c) Frame Based
 - (d) Policy Based
41. Which of the following steps in an accounting process is nor an Input and nor an Output.
- (a) Source Document
 - (b) Balance Sheet
 - (c) Journal
 - (d) Profit and Loss Account
42. SaaS model in cloud computing is a good example of..
- (a) Custom Built Application
 - (b) Leased Application
 - (c) Packaged Software
 - (d) Bought out Application
43. A security guard at the gate of ATM is an example of..
- (a) Preventive Control
 - (b) Detective Control
 - (c) Corrective Control
 - (d) Administrative Control
44. The term "logical view of computing resources rather than physical view", define which technology..
- (a) Grid Computing
 - (b) Virtualization
 - (c) Time Sharing System
 - (d) Thin Clients
45. Techniques like WBS, PERT, GNATT charts are used during which phase of program development life cycle?
- (a) Design
 - (b) Planning
 - (c) Coding
 - (d) Testing
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Solution

1	(d)	11	(a)	21	(c)	31	(b)	41	(c)
2	(c)	12	(a)	22	(b)	32	(c)	42	(b)
3	(a)	13	(c)	23	(b)	33	(d)	43	(a)
4	(b)	14	(a)	24	(a)	34	(a)	44	(b)
5	(d)	15	(d)	25	(d)	35	(c)	45	(b)
6	(b)	16	(a)	26	(b)	36	(c)	46	(d)
7	(c)	17	(b)	27	(d)	37	(a)	47	(c)
8	(d)	18	(b)	28	(c)	38	(c)	48	(a)
9	(b)	19	(a)	29	(d)	39	(d)	49	(b)
10	(d)	20	(d)	30	(a)	40	(d)	50	(d)