	الجمهورية اليمنية
	جامعة صنعاء
	مركز الاختبارات الالكترونية

قائمة الاسئلة
امتحان نهاية   الفصل الدراسي   الثاني – للعام الجامعي   1446 هـ – الموافق -2025/2024م-كلية الحاسوب وتكنولوجيا المعلومات :: تحليل وتص

أ.د. منصور نعمان

1) Just as objects are similar to adjectives, attributes resemble verbs that describe what and how an object does something.
   1) - TRUE.
   2) + FALSE.

2) A(n) _____ represents a person, a place, an event, or a transaction that is significant to the information system.
   1) + object
   2) - instance
   3) - class
   4) - model

3) A(n) _____ is a specific member of a class.
   1) - key
   2) - index
   3) - file
   4) + instance

4) The concept that a message gives different meanings to different objects is called _____.
   1) - encapsulation
   2) - dynamic addressing
   3) + polymorphism
   4) - linear addressing

5) _____ describes how instances of one class relate to instances of another class.
   1) - A modifier
   2) - A deliverable
   3) - Scope
   4) + Cardinality

6) In a sequence diagram, the _____ indicates when an object sends or receives a message.
   1) - request link
   2) + focus
   3) - command line
   4) - lifeline

7) A subscription model charges a variable fee based on the volume of transactions or operations performed by the application.
   1) - TRUE.
   2) + FALSE.

8) _____ reduces the customer's need for software maintenance, operation, and support.
   1) - Hardware as a Help
   2) + Software as a Service
   3) - Processing as a Product
   4) - Storage as a Solution

9) In a(n) _____, the web becomes an integral part of the application, rather than just a communication channel
   1) + Internet-based system
   2) - file-based system
   3) - quality-based system
   4) - agent-based system

10) Which of the following is true of a web-based systems development environment?

1)   -   Scalability of web-based systems can be affected by network limitations and constraints.

2)   -   Internet-based development treats the web only as a communication channel.

3)   -   Web-based solutions do not open complex security issues that should be addressed.

4)   +   Web-based software treats the software application as a service that is less dependent on desktop computing power and resources.

11) In the context of in-house software development options, companies that develop software for sale are called _____.
  1)   -   software stockers
  2)   -   software distributers
  3)   +   software vendors
  4)   -   software dealers

12) Generally, reports used by individuals at higher levels in an organization include more detail than reports used by lower-level employees.
  1)   -   TRUE.
  2)   +   FALSE.

13) Using batch input, data entry is performed continuously.
  1)   -   TRUE.
  2)   +   FALSE.

14) A secure system includes _____ that can log every instance of data entry and changes.
  1)   +   audit trails
  2)   -   trap trails
  3)   -   batch trails
  4)   -   control trails

15) A _____ language feature allows users to type commands or requests in normal text phrases.
  1)   -   normal
  2)   +   natural
  3)   -   standard
  4)   -   basal

16) In a data entry screen, a(n) _____ is a control feature that is used to represent on or off status and switches to the other status when clicked.
  1)   -   command button
  2)   -   option button
  3)   +   toggle button
  4)   -   help button

17) Input _____ is a template or pattern that restricts data entry and prevents errors.
  1)   -   pattern
  2)   +   mask
  3)   -   legend
  4)   -   key

18) A(n) _____ is a data validation rule that is used for applying to mandatory data items.
  1)   -   sequence check
  2)   -   range check
  3)   -   asynchronic check
  4)   +   existence check

19) A(n) _____ displays only those records that meet a specific condition or conditions.
  1)   -   detail report
  2)   +   exception report
  3)   -   summary report
  4)   -   exigency report

20) _____ means that a system can be expanded, modified, or downsized easily to meet the rapidly changing needs of a business enterprise.
1) + Scalability
2) - Compatibility
3) - Cardinality
4) - Functionality

21) _____ is an industry-standard protocol that makes it possible for software from different vendors to interact and exchange data.
1) - ActiveX data object (ADO)
2) - Java virtual connector (JVC)
3) + Open database connectivity (ODBC)
4) - Open embedded connectivity (OEC)

22) One type of validity check, called _____, is a set of rules that avoids data inconsistency and quality problems.
1) - candidate integrity
2) - foreign integrity
3) + referential integrity
4) - combinatorial integrity

23) A table is in _____ if it does not contain a repeating group.
1) - second normal form
2) + first normal form
3) - third normal form
4) - fourth normal form

24) _____ translates the logical design of an information system into a physical structure that includes hardware, software, network support, and processing methods.
1) - Legacy data
2) - Multipath design
3) + System architecture
4) - System file checker

25) A(n) _____ provides access for customers, employees, suppliers, and the public.
1) - mainframe architecture
2) + corporate portal
3) - application server
4) - thick client

26) A _____ locates all or most of the processing logic on the server.
1) + thin client
2) - batch client
3) - Fat client
4) - portal client

27) In a multi-tier system, special utility software called _____ enables the tiers to communicate and pass data back and forth.
1) - shareware
2) + middleware
3) - groupware
4) - malware

28) _____ is the process of constructing the programs and code modules that serves as the building blocks of an information system.
1) - Application structuring
2) - Application analysis

3)   +   Application development

4)   -   Application virtualization

29) Testing two or more programs that depend on each other is called _____.

     1)   +   integration testing

     2)   -   unit testing

     3)   -   acceptance testing

     4)   -   system testing

30) The environment for the actual system operation is called the _____.

     1)   +   production environment

     2)   -   exploratory environment

     3)   -   functional environment

     4)   -   globalized environment

31) A(n) _____ refers to a web-based broadcast that allows a user to download multimedia files to a PC or portable device.

     1)   -   webinar

     2)   -   tutorial

     3)   +   podcast

     4)   -   data frame

32) _____ involves more risk than other changeover methods.

     1)   +   Direct cutover

     2)   -   Pilot operation

     3)   -   Parallel cutover

     4)   -   Phased operation

33) the _____ changeover method requires that both the old and the new information systems operate fully for a specific period.

     1)   -   phased operation

     2)   +   parallel operation

     3)   -   pilot operation

     4)   -   direct cutover

34) User satisfaction, support for business functions, and system effectiveness.

     1)   -   output control

     2)   -   online input

     3)   -   batch input

     4)   +   usability

35) _____ value is a value that a system displays automatically

     1)   -   RFID

     2)   -   character-based

     3)   -   faxback

     4)   +   default

36) Existing data is loaded into the new system, transformed as needed.

     1)   -   unit testing

     2)   +   data conversion

     3)   -   pilot operation

     4)   -   data couple

37) Scanning and storing images of paper documents. Often used by large firms to provide high-quality records management and archiving.

     1)   -   online data entry

     2)   -   graphical user interface (GUI)

     3)   -   summary report

4)　　+　　computer output to microfilm (COM)