

The computer that allows more than one user to work at the same time is known as a

- A mainframe computer
- B embedded computer
- C micro computer
- D multiprogrammed computer

2. _____ is the technological basis on which the Third Generation computers were built.

- A Transistor
- B vacuum tube
- C microprocessor
- D integrated circuit

3. A computer that exists in a system that cannot be reprogrammed by the user is

- A tablet computer system
- B embedded system
- C handheld computer system
- D system access control

4. The De Morgan law for the logic AND states that $A \cdot B =$

- A $A + B$
- B $A \cdot B$
- C $A + \bar{B}$
- D $A \cdot \bar{B}$

5. Which of the following is NOT a function of an operating system?

- A Providing user interface
- B Memory management
- C Executing program instructions
- D System access control

6. A chip in computer that contains essential information in a computer such as the date and time is

- A CMOS
- B BIOS
- C RAM
- D ROM

7. What file format would you use for publishing and distributing electronic text documents?

- A .mpeg
- B .jpeg
- C .pdf
- D .wav

8. A document created in an application package which could be used over and over by many users for the same purposes is known as:

- A Wizard
- B Template

9. The check by computers to ensure that entered into a database is sensible is known

- A integrity check
- B verification
- C validation
- D redundancy check

10. Which of the following application packages would be the most appropriate for representing information on charts and performing calculations?

- A Presentation packages
- B Database packages
- C Word processing packages
- D Spreadsheet packages

11. Which of the following is an advantage of a Vector-based graphics format?

- A It allows graphs to be placed in a vector form
- B It is device independent
- C It allows vectors to be used to draw graphs
- D It tolerates straight line graphs

12. The act of gaining unauthorized access by use of network to people's computer is known as

- A hacking
- B surfing
- C scamming
- D spoofing

13. Software designed to meet the needs of a particular organisation is called

- A generic
- B surfing
- C integrated
- D Bespoke

14. One way to limit piracy of intellectual property is by

- A Use of antivirus software
- B using encryption
- C enforcing legislation
- D use of firewall

15. An information system that provide periodic and predetermined reports that summarizes information only is called

- A MIS
- B GIS
- C HIS
- D DDS



The phase in the system development life cycle where requirements are first identified is

- A feasibility studies phase
- B analysis phase
- C implementation phase
- D design phase

39. A practice that enhances understanding of algorithms is
- A use of capital letters
 - B use of good language
 - C use of programming words
 - D use of comments
40. Algorithms are different from codes in that
- A they can be easily executed by the computer
 - B they are easily understood by non programmers
 - C they are shorter than codes
 - D they have a style of presentation

41. Which of the following control structures is NOT a loop structure?
- A IF-THEN statement
 - B REPEAT statement
 - C WHILE statement
 - D FOR statement

42. Start
Get an integer, x
Get another integer, y
If $x < y$ then
 Take y to be y-2
Else
 Take x to be $y*2$
EndIf
Print x, y
Stop
If $x=3$ and $y=7$ then the output is
- A 14,5
 - B 14,1
 - C 3,5
 - D 3,7

43. An example of an Object Oriented programming language is
- A Turbo Pascal
 - B C#
 - C Java
 - D Fortran

44. In programming, what specifies the order in which a computer will execute each line of software code?
- A Switch statement
 - B Control structure
 - C Conditional
 - D statement

16. Topolog with the greatest tolerance

- is
- A Mesh
 - B LAN
 - C Ring
 - D bus

32. A device that connects computers and forwards data packets from one network segment to the other of different platforms is a

- A Hub
- Bridge
- C Switch
- D Router

33. The bandwidth of Internet connection in a public cyber cafe suddenly becomes congested. One possible reason is

- A poor weather

34. If a laptop is to have Internet connection through a LAN with Internet facilities then
- A the laptop needs an IP address
 - B the user must be given a password
 - C the service provider must be contacted
 - D the modem must be Used to connect the laptop to the LAN.

35. The protocol used to receive electronic mail over the Internet is
- A TCP/IP
 - B SMTP
 - C FTP
 - D VOIP

36. The buying and selling of stocks over the Internet is called
- A e-commerce
 - B e-shopping
 - C e-banking
 - D e-trading

37. Which is the correct order of the stages of the SDLC?
- A Analysis, implementation, design, maintenance
 - B Design, analysis, support, implementation
 - C Analysis, design, implementation, support
 - D Coding, support, evaluation, maintenance

16. An information system consists of
A Software and hardware
B People, software and hardware
C People, data, machine and procedures
D People, data, software and procedures
17. An expert system that is used in organisation to manage daily business activities can also be termed as a
A GIS
B DSS
C MIS
D TPS
18. A linear list whose elements are inserted and deleted in a last-in-first-out order is a
A Stack
B Queue
C hash table
D binary tree
19. Which of the following is in the right order of time measurement?
A Picoseconds-nanoseconds-microseconds
B Nanoseconds-picoseconds-microseconds
C Microseconds-nanoseconds-picoseconds
D Microseconds-nanoseconds-picoseconds
20. Which of the following is NOT true about arrays?
A Access elements by an index
B Sort the elements
C Can hold element of the same type
D Can hold elements of different types
21. How many KB (as used in everyday speaking) are in 1.5 GB?
A 1500
B 15000
C 150000
D 1500000
22. The technique of developing a system model and testing to make adjustments until an acceptable product is realized is known as
A try-by-error
B flowcharting
C waterfall model
D Prototyping
23. Some programming languages are said to be high level because
A codes are written in a form that the computer can easily execute
B programmers easily write codes using them
C they are cheaper to design
D they cannot be used to write programs for difficult tasks
24. A module in a system is said to be reusable if the module is
A independent of the system
B depends only on a few modules in system
C iteratively defined
D recursive
25. A data communication method in which bits are transmitted through separate channels simultaneously is termed
A parallel data transmission
B serial data transmission
C simplex data transmission
D asynchronous transmission
26. Devices in a network indicate their connectivity during data transmission by
A buffering
B handshaking
C signaling
D interrupts
27. which is a data transmission method by which signals from several lines are made to be transmitted through a single line?
A Serial transmission
B Broadband transmission
C Switching
D Multiplexing
-
28. The main role of a repeater in a network is
A separates a single stream of signals into separate streams
B selects the best path for network packets
C boosts the strength of signals to cover long distances
D receive sends signals only to requesting computers in a network
-
29. _____ controls the flow of each character in asynchronous transmission mode.
A Error control bits
B Start-stop bits
C Parity bits
D Check-sum bits
-
30. The cheapest means by which a group of students found in different geographic locations can exchange views through the Internet is by
A e-mail
B Forum
C videoconference
D Skype

- Which of the following is true about Functional programming?
A It is used to calculate using mathematical functions
B It focuses on what has to be done rather than on how it is done
C It is used in programming functions
D Its codes are made up of mostly functions
45. The structured approach of writing programs using routines is beneficial in that
A it makes programs to be easily understood by non-programmers
B routines can be tested in isolation before being added to larger programs
C it generates output after each statement for easy understanding
D programs can run even when there are errors
46. Which of the following may not be helpful to a project manager in the execution of a project?
A PERT chart
B Scheduling software
C Data flow diagrams
D Gantt chart
48. Some tasks can be extended for a number of days without affecting the finished day of a project. Such a task is known as
A slack task
B floating task
C critical task
D extended task
-
49. In html, the tags `` `` are used to create
A ordered list
B bulleted list
C lines of text
D indentation
-
50. To avoid unnecessary duplication of the same data in a database
A we have to normalize the database
B we have to query the report generator
C avoid using tables with so many fields
D proof read any data before input into the database

STOP
NOW GO BACK AND CHECK YOUR WORK