

1. What term is given to a situation where people are allowed to work from home using a computer network?
A Distance Learning
B Internet
C Teleworking
D Teleconferencing

2. An application software that is knowledge based capable of making decisions or solving problems in a particular field is known as:
A Expert system
B Database management system
C Information system
D Flight reservation system

3. The data in Data Protection Act refers to:
A All unprocessed facts
B Information about individuals who are alive
C Information about living or dead people
D Data that has been input in a computer

4. Information that is copyrighted can only be used
A If it is kept confidential
B On one page of a document
C Within the year the copyright was issued
D With the authorization of the author

5. Writing malicious code is an offence under
A The Computer Misuse Act
B The Data Protection Act
C Copyright and patents act
D The Health and Safety at work Act

6. The process of encoding information in an attempt to make it secure from unauthorized users is known as
A Encryption
B Encapsulation
C Decryption
D Decoding

7. The practice of making an unauthorised transmission appear to come from an authorised user is called
A spooling
B spoofing
C Cracking
D Hacking

8. The fifth generation of computers combine
A Vacuum tubes and semi-conductors
B Transistors and punched cards
C Large scale integrated circuits and transistors
D Large scale integrated circuits and artificial intelligence

9. Which of the following is NOT an applications software type?
A Database
B Desktop publisher
C An antivirus
D Spreadsheet

10. Which of the following certainly lose its data when the computer is switched off?
A ROM
B Hard disc
C Flash disc
D RAM

I.C.T 1

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Advanced level

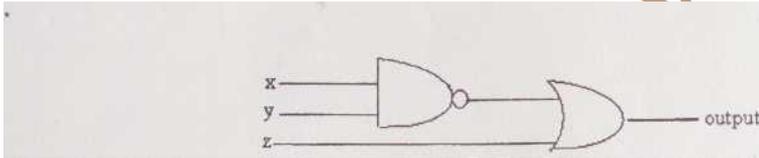
20. What processing system would you select for financial record-keeping and inventory record-tracking that receives information and updates the master files immediately in a DBMS?
- A Online transaction processing
 - B Batch processing
 - C Distributed systems processing
 - D Control systems processing
-
21. Which of the following can NOT be represented by ASCII code?
- A Letters
 - B Numerals
 - C Punctuation signs
 - D Graphics
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22. How many files of size 512Kb can be stored in 64MB storage media?
- A 8
 - B 128
 - C 1024
 - D 8000
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23. Which of the following is NOT true of digital data?
- A Digital data is described by on/off state
 - B Digital is described by pulse
 - C Digital data takes values from 0 to 9
 - D Digital data is discrete.
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24. A project that can be accomplished entirely by organisation's available resources is
- A Technically feasible
 - B Operationally feasible
 - C Financially feasible ,
 - D Tangibly feasible
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25. In order to speed up program development small existing modules are put together to form the application by specialised software called
- A Report generator
 - B Program generator
 - C Query language
 - D Programming environment
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26. Project plans are often graphically represented by means of
- A GANTT chart
 - B Pie chart
 - C Histogram
 - D GRANT chart
-
27. A group of logically related fields in a database is a
- A Database file
 - B Record
 - C Data warehouse
 - D Field
-
28. Which of the following methods will help an organisation to ensure that data entered into its database is correct?
- A Two persons enter the same data for the computer to compare
 - B Using validity check software
 - C Using experienced data operators
 - D Avoiding noise in the work environment

11. In the domain of processor architecture, the acronym MIMD stands for
A Multipurpose internet mail device
B Multipurpose inline memory data
C Multiple instruction multiple data
D Multiple inline multiple data
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12. A serious concern and limitation of any data communication network is
A Security and privacy concerns
B Speed of communication
C Resources and data sharing
D Distributed computing
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13. What acts as an intermediary between hardware and applications software?
A Master boot record (MBR)
B BIOS
C RAM
D Operating system
-
14. An operating system interface that uses pictures to represent programs is called
A MDI
B GUI
C VDU
D BIOS
-
15. What allows a user to work with more than one piece of software in the same computer session?
A Multiuser
B Multiprogramming
C Multidevice
D Multitasking
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16. A student who intends to pursue a career in ICT with responsibilities of designing and setting up computer networks for customers has come to you for advice, What career training option would you advise the student to follow?
A Network manager
B Network analyst
C Network engineer
D Systems engineer
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17. An information system is built to manage
A Data and information
B Data and people
C Data and machinery
D Transmission of data
-
18. A system that reads data and produces a list of items that can be used in decision making is
A Data processing system
B Operating information system
C Geographical information system
D Health information system
-
19. Feedback is when
A Output of the system affects input
B Input of the system affects the output
C Input of the system affects the processing
D The output of the system becomes the input

38. Which of the following is a task carried out by the operating system?
A Data logging
B Providing help in an application software
C Transferring data to a printer
D Compiling programs
-
39. The feasibility study of a possible ICT system for an organisation is carried out mostly by
A The system analyst
B A computer programmer
C The end users of the organisation
D The managing director of the organisation
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40. Which of the following is likely to be found in the specification document of a system?
A Data handling programs only
B Designs of screen layouts only
C Security issues only
D All of the above
-
41. The phase of the SDLC in which you model a system from a logical point of view is the
A System investigation phase
B System analysis phase
C System design phase
D System implementation phase
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42. One method that may be used by a system analyst to get information for a system is called
A Questionnaires –
B News paper
C Television
D Browsing the net
-
43. A management information system report that shows only the subject of available information based on some selected criteria is
A Periodic report
B Summarized report
C Exception report
D Comparative report
-
44. What is the data structure that supports FIFO?
A Queues
B Stacks
C Arrays
D Hash table
-
45. A data flow diagram shows
A How computers are connected in a network
B What software will be used to process data
C The way organizational data and information are handled
D The parts of the system that process specific data
-
46. A programming paradigm in which a program is a collection of discrete reusable routines and data that are self contained is called
A Procedural programming
B Sequential programming
C Object oriented programming
D Control programming
-
47. It is the term used to describe the diagnosis and correction of errors during program or system testing
A Debugging
B Validation
C Prototyping

29. The access for data from a database by an application is called
- A Relational database system
 - B Query
 - C A database management system
 - D Database administrator
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- 30.
- A foreign key in a database table refers to the field that
 - A Is related to the primary key in the second table
 - B Is not in any other table in a database
 - C Can be referenced by all the tables
 - D Is unique in the table
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31. A machine-independent, high-level non-procedural language that uses human words and *symbols to program* diverse computer systems is a
- A Fourth generation language (4GL)
 - B Third generation language (3GL)
 - C Second generation language (2GL)
 - D First generation language (1GL)
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32. The control unit of a microprocessor
- A Stores all the computer's instructions
 - B Directs data from the keyboard to the monitor
 - C Performs Arithmetic and logic functions
 - D Issues commands to all elements of the computer
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33. Communication paths within a computer are called
- A Cables
 - B Clusters
 - C Buses
 - D Pathways
-
34. Which of the following is NOT a typical interface that can fit in an expansion *slot* connector?
- A modem
 - B keyboard
 - C Game controller
 - D Video display adapter
-
35. A **programming language that has the** ability to work with a variety of computer hardware and operating systems is said to be:
- A multiuser
 - B multitasking
 - C portable
 - D parallel
-
36. The technical name for a convention through which a **web page** is identified on the internet is?
- A Resource domain name
 - B Universal resource locator (URL)
 - C Protocol
 - D Top level domain name
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37. A utility that rewrites all the parts of a file into contiguous clusters of a hard disk is called
- A Scandisk
 - B Antivirus
 - C File manager
 - D Defragmenter
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48. Which of the following processes indicates that there is an error in a system but does not pinpoint where?
- A Debugging
 - B Testing
 - C Decoding
 - D Verification
49. The decimal for the binary number 1011.
- A 3
 - B 11
 - C 13
 - D 22



- A $\overline{x\overline{y}} + z$
- B $(\overline{x} + \overline{y})z$
- C $\overline{x\overline{y}}z$
- D $\overline{x} + \overline{y} + z$