

30. Internet users can locate and download materials on research topics from different servers around the world thanks to
- A Routers
 - B search engines
 - C Google
 - D bandwidth
-
31. The line containing an error in an HTML code is given as
- ```
<i>This is John</i>
```
- The error in the code is
- A the closing tags are in the wrong order
  - B there is no space between the text and the tags
  - C the tag <b> is not closed
  - D the two tags used are never used together
- 
32. Technology seems to be an important resource in education today. Which of the following is **NOT TRUE** about computer assisted learning?
- A Increases student-student interaction skills
  - B Uses interactive teaching packages available on CDs for many subjects
  - C Increases school attendance through distance learning
  - D Provides facilities for students with disabilities
- 
33. One activity carried out during the implementation phase of a computer system is
- A writing programs
  - B Designing
  - C training of users
  - D Calculating cost
- 
34. Which control statement exits execution when the condition evaluates to true?
- A WHILE statement
  - B FOR statement
  - C REPEAT statement
  - D IF-THEN statement
- 
35. The method of accessing files stored in a compact disk is
- A sequential
  - B random
  - C indexing
  - D bubble sort
- 
36. The performance of a system is most affected by
- A monitor size
  - B hard drive size
  - C CPU size
  - D the RAM size
- 
37. The quality of the images viewed in the monitor is determined by
- A processor speed
  - B size of the monitor
  - C strength of the video controller
  - D brightness of the environmental
- 
38. The software that converts codes written in a high level programming language into machine code is the
- A interpreter
  - B compiler
  - C editor
  - D assembler
- 
39. A variable that is useful only within a routine in which it is declared is known as a
- A global variable
  - B function variable
  - C dynamic variable
  - D local variable
- 
40. A method of programming which focuses on **how** a problem is solved is known as
- A procedural programming
  - B functional programming
  - C procedural abstraction
  - D object oriented programming
- 
41. Which of the following is **NOT** a concern in project management?
- A Building a project team
  - B Evaluating cost
  - C Lobbying for sponsors
  - D Identifying tasks
- 
42. The level of management which provides an organisation with overall direction, guidance and long term planning is
- A tactical management
  - B strategic management
  - C operational management
  - D long term management
- 
43. Tasks that must be executed in order that the finish date of a project is not affected are called
- A Milestones
  - B Strategic tasks
  - C critical tasks
  - D Floating tasks
- 
44. A technique of project planning that analyzes the time required for each activity in a project is known as
- A waterfall model technique
  - B time Sharing Technique
  - C Mile stone techniques
  - D Gantt chart technique

15. Which of the following information systems analyses data on the displacement of people and mineral resources in a given region?  
A GIS  
B HIS  
C EIS  
D MIS
- 
16. One advantage of high level programming languages over low level programming languages is  
A it is written in a language understood by programmers  
B it is cheaper to get associated software  
C Software for high level programming languages are more common in the software market  
D it less bulky in relation to memory space
- 
17. The letter A is represented in ASCII code by the binary pattern 01000001. Each character in the alphabet is allocated 8 bits sequentially. The letter C will be represented in ASCII code by:  
A 11000001  
B 01000010  
C 01000100  
D 01000011
- 
18. A network that gives access to some users outside the organization is known as  
A The Internet  
B Extranet  
C Internet  
D inter-networking
- 
19. A query in a database enables one to  
A sort data according to a desired criterion  
B sort data to an unreadable form  
C arrange data chronologically  
D correct data spelling
- 
20. To maintain the integrity of transmitted data between two network components, what is being added to the transmitted data?  
A Character code  
B Parity bit  
C Batch number  
D Network address
- 
21. The construction of a computer program from a collection of small workable programs whose interaction are integrated and rigidly restricted is  
A top-down programming  
B modular programming  
C unit programming  
D object-oriented programming
- 
22. One terabyte is equal to  
A one thousand bytes  
B one million bytes  
C one billion bytes  
D one trillion bytes
- 
23. A 32-bit computer can access how many bytes at a time?  
A 4  
B 2  
C 8  
D 16
- 
24. Rewriting an algorithm in more detailed steps of simpler instructions is called  
A stepwise refinement  
B Recursion  
C bottom-up design  
D detail design
- 
25. When two or more network topologies are put together, it is described as a \_\_\_\_\_ topology.  
A Mesh  
B Tree  
C Hybrid  
D Mixed
- 
26. The formula to calculate the number of separate cables needed to connect a given number of computers (n) in a mesh network is given by  
A  $n^2/2$   
B  $n(n-1)/2$   
C  $(n-1)/2$   
D  $n(n-1)$
- 
27. Which of the following network media has the fastest data transfer rate?  
A Shielded twisted pair cable  
B Fibre optic  
C Coaxial cable  
D Backbone cable
- 
28. Which of the following is NOT a responsibility of the Internet Service Provider?  
A Provide access phone numbers  
B Provide access to the Internet  
C Provide file space of pages on the world wide web  
D Provide security of networks
- 
29. Which of the following will least affect the speed of Internet connection?  
A Bandwidth  
B Speed of the modem  
C Type of communication medium  
D Type of browser

1. A system that is used in decentralised marketing system which can make report on items that are highly demanded and indicates which ware house can furnish specific items is an example of
- A management information system.
  - B electronic sale system.
  - C stock control system.
  - D point of sale system.
- 
2. A system that predicts future weather condition is
- A GPS
  - B geographic information system.
  - C decision support system.
  - D expert system.
- 
3. An application software used by engineers to design complex structures is
- A CAM
  - B CAD
  - C CAL
  - D MIS
- 
4. Which of the following is prohibited by the Data Protection Act?
- A Access to personal data
  - B Exposure of personal data in the Internet
  - C Reading information about others in the Internet
  - D Distribution of copyrighted material for free
- 
5. Which of the following is a computer crime?
- A Downloading videos from the Internet into computer
  - B Sending threats to people through the Internet
  - C Watching pornographic images at home
  - D Uploading personal data into the Internet
- 
6. Which of the following statements DOES NOT describe a good approach to information security for an organization?
- A Passwords are changed regularly
  - B Regular back up of computer systems
  - C Setting up firewalls
  - D Use of one server in a network
- 
7. File format is important in that it allows
- A the user to design his text according to a desired format
  - B files to be structured in a particular manner
  - C the user to give his desired extension to a file
  - D the operating system to allocate memory space to a file
- 
8. In the file name GCE.TXT, what does the .TXT part represent?
- A File domain.
  - B File path.
  - C File type.
  - D File content.
- 
9. A method that can prevent illegal access to computer systems through networks is
- A encryption of files
  - B Use of firewall
  - C Use of antivirus software
  - D archiving
- 
10. An example of a mono tasking operating system is
- A Windows
  - B Macintosh
  - C MS DOS
  - D Linux
- 
11. A flat file with respect to database is defined as a
- A File with single data item
  - B Database held on a single file
  - C Database with no data item
  - D File with no undulations
- 
12. A data type that can take only one of the two values TRUE or FALSE is known as
- A Boolean
  - B Character
  - C Integer
  - D Binary
- 
13. Which logic gate does the following truth table represent?
- | A | B | Output |
|---|---|--------|
| 0 | 0 | 0      |
| 0 | 1 | 1      |
| 1 | 0 | 1      |
| 1 | 1 | 0      |
- A AND
  - B NAND
  - C XOR
  - D NOR
- 
14. The device that sends information only to requesting computers in a network is known as a
- A Switch
  - B Node
  - C Server
  - D Hub
-

45. A file compression software is an example of
- A defragmentation software
  - B application software
  - C bespoke software
  - D utility software
- 

46. The protocol of communication between the browser and the web server is
- A HTTP
  - B FTP
  - C SMTP
  - D TCP
- 

47. The science that designs work environment to ensure comfort and good health for workers is known as
- A ergonomics
  - B e-health
  - C green computer
  - D e-protection
- 

48. Some organisations allow workers to do office work from home via a computer network. This type of practice is termed
- A teleconferencing
  - B distance working
  - C e-working
  - D teleworking

49. A spreadsheet formula to calculate the average of numbers in 4 cells is given as =AVERAGE(A1:D1)/4. The formula is wrong because
- A the range does not contain only four cells
  - B An addition sign is missing within the brackets
  - C the division by 4 makes the formula wrong
  - D the colon sign (:) should be changed to a hyphen (-)
- 

50. A chip in the computer that stores essential information in a computer such as the date and time is the
- A BIOS
  - B CMOS
  - C RAM
  - D ROM
- 

**STOP  
GO BACK AND CHECK YOUR WORK**