

72/2014

Maximum : 100 marks

Time : 1 hour and 15 minutes

1. Firefox, Opera, Chrome, Safari and Explorer are types of what?  
(A) Web browser (B) Server  
(C) Client (D) OS
2. World Computer Security Day :  
(A) November 30 (B) December 15  
(C) September 11 (D) November 4
3. Along with whom did Bill Gates found Microsoft?  
(A) Charles Babbage (B) Paul Allen  
(C) Dennis Ritchie (D) Steve Jobs
4. The Gateway Internet Access Services (GIAS) of India is situated in :  
(A) Delhi (B) Mumbai  
(C) Chandigarh (D) Madurai
5. A type of memory chip whose contents can be quickly changed by the computer at any time is called :  
(A) VDT (B) RUM  
(C) ROM (D) RAM
6. Which of the following has decided to give Satya Elementary schools from underprivileged children in rural India?  
(A) Apple (B) Google  
(C) Microsoft (D) Oracle
7. Which of the following is not a type of Database Management System?  
(A) Hierarchical (B) Network  
(C) Relational (D) Sequential

8. In what manner coding and testing are done?
- (A) top-down (B) bottom-up  
(C) cross-sectional (D) adhoc
9. The variables which can be accessed by all modules in a program are known as?
- (A) Local variables (B) Internal variables  
(C) External variables (D) Global variables
10. The number of functional keys in a key board :
- (A) 13 (B) 9  
(C) 12 (D) 10
11. In decimal system the base or radix is :
- (A) 1 (B) 2  
(C) 10 (D) None of these
12. Which of the following computer language is used for artificial intelligence?
- (A) COBOL (B) PROLOG  
(C) C (D) PASCAL
13. Which logic gate is similar to the function of two parallel switches?
- (A) NAND (B) AND  
(C) OR (D) NOR
14. Which of the following is the ascending order of data hierarchy?
- (A) bit – byte – record – field – database – file  
(B) bit – byte – field – record – file – database  
(C) bit – byte – file – field – record – database  
(D) bit – file – field – record – byte – database
15. Fork is a :
- (A) the despatching a task (B) the creation of a new job  
(C) the creation of a new process (D) increasing the priority of a task



16. The time required for fetching and execution of one simple machine instruction is :
- (A) Delay time (B) CPU Cycle  
(C) Real time (D) Seek time
17. Types of validation testing is :
- (A) Alpha and Beta Testing (B) Top down and bottom up testing  
(C) Both (A) and (B) (D) Recovery and integrated testing
18. Which of the following commands is used to display your working directory?
- (A) prompt \$p\$g (B) dir  
(C) pwd (D) path
19. Example of SDI Application :
- (A) MSPAINT (B) MS Excel  
(C) Word pad (D) None of the above
20. Toolbar displays :
- (A) One single menu item (B) Collection of button  
(C) Collection of menu item (D) None of the above
21. Data warehouses are intended as :
- (A) Static data collection (B) Database  
(C) Large collection of data (D) Storage of records
22. A single packet on a data link is known as :
- (A) path (B) frame  
(C) group (D) block
23. The access method used for cassette tape is :
- (A) Direct (B) Random  
(C) Sequential (D) All the above
24. Which of the following TCP/IP protocol is used for transferring files from one machine to another?
- (A) RARP (B) ARP  
(C) HTTP (D) FTP

25. The principle of locality of reference justify the use of :
- (A) Interrupts (B) Cache  
(C) DMA (D) Polling
26. Which of the following uses the least power?
- (A) ECL (B) CMOS chip  
(C) TTL (D) None of these
27. A logic gate is an electronic circuit which :
- (A) Alternates between 0 and 1 values  
(B) Works on binary algebra  
(C) Allows electron flow only in one direction  
(D) Makes logic decisions
28. The Data Flow Diagrams (DFD) shows :
- (A) the areas where they are stored (B) the processes  
(C) the flow of data (D) all of the above
29. A flip-flop can store :
- (A) 1 bit of data (B) 2 bit of data  
(C) 3 bit of data (D) 4 bit of data
30. Out of LCD and LED which display consumes the least power?
- (A) LCD (B) LED  
(C) Both consume same power (D) None of these
31. ASCII stands for :
- (A) American Standard Code for Information Interchange  
(B) All purpose Scientific Code for Information Interchange  
(C) American Security Code for Information Interchange  
(D) American Scientific Code for Information Interchange
32. Which of the following is not a transmission medium?
- (A) Coaxial cable (B) Telephone lines  
(C) Modem (D) Microwave systems



33. Which of the following is still useful for adding numbers?  
(A) EDSAC (B) ENIAC  
(C) UNIVAC (D) Abacus
34. The average time necessary for the correct sector of a disk to arrive at the read write head is :  
(A) down time (B) rotational delay  
(C) seek time (D) access time
35. What type of computer programming is used for airplane ticket reservation system?  
(A) Multi programming (B) Real time programming  
(C) Time sharing (D) Batch programming
36. Communication between computers is always :  
(A) serial (B) parallel  
(C) series parallel (D) direct
37. The string containing certain required formatting information is called :  
(A) character array (B) argument  
(C) control string (D) character string
38. SNMP is a protocol used for :  
(A) E mail (B) Network management  
(C) Messaging (D) File transfer
39. Which algorithm design technique is used in merge sort algorithm?  
(A) Dynamic programming (B) Back tracking  
(C) Divide and conquer (D) Greedy method
40. The operation which is commutative but not associative is :  
(A) AND (B) EX-OR  
(C) OR (D) NAND
41. A software program stored in a ROM that cannot be changed easily is known as :  
(A) firmware (B) editor  
(C) linker (D) hardware

42. Which data structure is needed to convert infix notations to post fix notations?  
(A) queues (B) stacks  
(C) linear lists (D) strings
43. When the mouse pointer is positioned on a \_\_\_\_\_ It is shaped like a hand.  
(A) Hyperlink (B) Hypertext  
(C) Text (D) All the above
44. The process of communicating with a file from a terminal is :  
(A) Heuristic (B) Interactive  
(C) Interrogation (D) None of the above
45. The top most bar in any application window is the \_\_\_\_\_ which displays the name of the document or application.  
(A) Menu bar (B) Title bar  
(C) Tool bar (D) All the above
46. The language which is used by terminal user to retrieve and update data in a managed database is known as :  
(A) high level language (B) hardware design language  
(C) query language (D) assembly language
47. A hashing scheme is used with :  
(A) sequential file organization (B) direct file organization  
(C) indexed sequential file organization (D) partitioned file organization
48. A program that converts computer data into some code system other than the normal one is known as :  
(A) Simulation (B) Emulator  
(C) Coding (D) Encoder
49. The tracks on a disk which can be accessed without repositioning the R/W heads is :  
(A) Surface (B) Cylinder  
(C) Cluster (D) All of the above



50. UNIVAC is :
- (A) Universal Automatic Computer (B) Unique Automatic Computer  
(C) Universal Array Computer (D) Unvalued Automatic Computer
51. Which of the following program is not a utility?
- (A) Debugger (B) Editor  
(C) Spooler (D) All of the above
52. A software package to perform calculations on data arranged in an array is :
- (A) System software (B) Utility programs  
(C) Application programs (D) Electronic spread sheet
53. In MODEMS :
- (A) Several digital signals are multiplexed  
(B) A digital signal changes some characteristic of a carrier wave  
(C) Digital signal is amplified  
(D) All of the above
54. FORTRAN is :
- (A) File Translation (B) Format Translation  
(C) Formula Translation (D) Floppy Translation
55. A device for converting handwritten impressions into coded characters and positional coordinates for input to a computer is :
- (A) Touch panel (B) Mouse  
(C) Wand (D) Writing tablet
56. A list of named integer constants that once defined can be used in the place of an integer is called a :
- (A) enumeration (B) register  
(C) argument (D) modifier
57. Error detection at the data link level is achieved by :
- (A) Bit stuffing (B) Hamming codes  
(C) Cyclic redundancy code (D) Equalization

58. VGA is :
- (A) Video Graphics Array (B) Visual Graphics Array  
(C) Volatile Graphics Array (D) Video Graphics Adapter
59. Which of the following terms refers to the degree to which data in a database system accurate and correct?
- (A) data security (B) data validity  
(C) data independence (D) data integrity
60. Which of the following file name extension suggests that the file is a back up copy of another file?
- (A) COM (B) BAK  
(C) BAS (D) TXT
61. The EXCLUSIVE\_NOR gate is equivalent to an \_\_\_\_\_ gate followed by an inverter.
- (A) OR (B) AND  
(C) NAND (D) XOR
62. A compound statements does not consists of :
- (A) control statements (B) other compound statements  
(C) a single statement (D) expression statements
63. In OSI network architecture, the routing is performed by :
- (A) network layer (B) data link layer  
(C) session layer (D) transport layer
64. With MSDOS which command will divided the surface of blank floppy disk into sectors and assign a unique address to each one?
- (A) FORMAT command (B) FAT command  
(C) VER command (D) CHKDSK command
65. Non modifiable procedures are called :
- (A) concurrent procedures (B) serially usable procedures  
(C) re-entrant procedures (D) top down procedures



66. In which of storage placement strategies a program is placed in the smallest available hole in the main memory?
- (A) best fit (B) worst fit  
(C) first fit (D) buddy
67. Which command is used to display the top of file?
- (A) cat (B) head  
(C) more (D) grep
68. Errors can be found by "outsiders" during :
- (A) Structured walk through (B) alpha testing  
(C) beta testing (D) debugger
69. Data mining is :
- (A) Storing data when in need  
(B) Automatic extraction of patterns of information  
(C) Searching data in internet  
(D) None of the above
70. \_\_\_\_\_ is the set of programs necessary to carry out operations for a specified application?
- (A) System software (B) Operating system  
(C) Application software (D) All of the above
71. First high level language :
- (A) ALGOL (B) PASCAL  
(C) COBOL (D) BASIC
72. A computer program that converts assembly language to machine language is :
- (A) compiler (B) interpreter  
(C) assembler (D) comparator
73. The memory which is ultra violet erasable and electrically programmable is :
- (A) EPROM (B) ROM  
(C) PROM (D) RAM