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MCQs

Computer Science

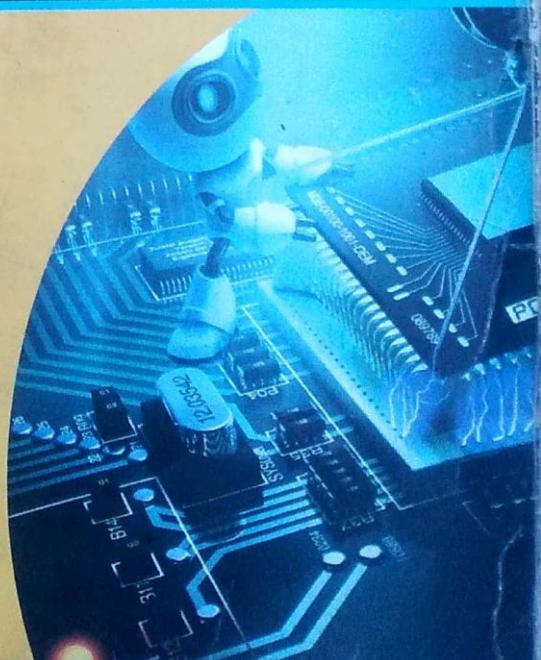


Lecturer, Subject Specialist, Educator, GAT(Subject), M.Phil, Ph.D, NAT, NTS, CSS, PCS, ETEA

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Dr. Zafar Ahmad  M. Sohail Bhatti



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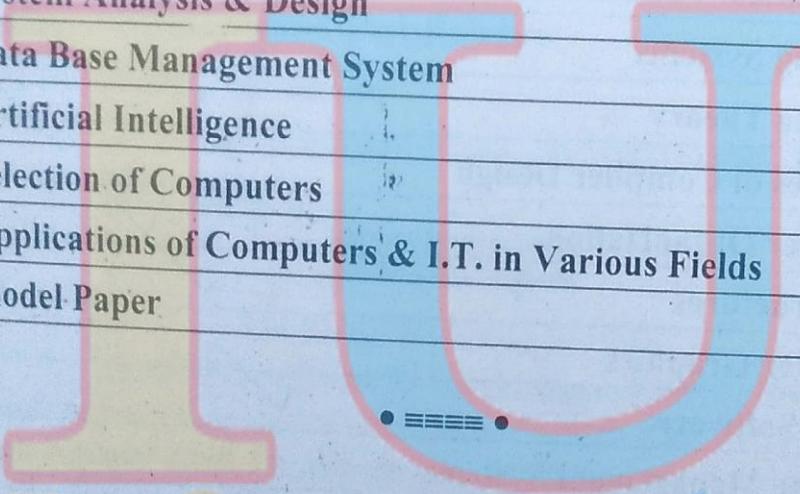
CONTENTS

PREVIOUS SOLVED MCQS PAPERS OF FPSC, PPSC, SPSC, Khyber Pakhtunkhwa (PC), BPSC (Lecturers'/Subject Specialist) Male/Female

1.	Programming with C	1
2.	Unix	43
3.	Principles of Programming Languages	76
4.	Mathematical Foundations of Computer Science	96
5.	Operating Systems	131
6.	Automata Theory	146
7.	Principles of Compiler Design	158
8.	Computer Organization	171
9.	Data Structures	203
10.	Computer Graphics	224
11.	System Software	235
12.	Database Management Systems	242
13.	Object Oriented Programming Using C++	250
14.	Computer Networks	264
15.	Software Engineering	272
16.	SQL, PLUS, PL/SQL, Forms and Reports	279
17.	Programming with Java	315
18.	MCQS QUESTIONS ASKED IN	382
	Federal Public Service Commission	
	Punjab Public Service Commission	
	Sindh Public Service Commission	
	Khyber Pakhtunkhwa Public Service Commission	
	Baluchistan Public Service Commission	
19.	SOLUTION OF THE MCQs	398
	BASIC COMPUTER SCIENCE – MCQs	416

انفو اسٹاد یو ٹیوب کر لیں۔ شکریہ **SUBSCRIBE**

20.	Computer Science Introduction	417
21.	History of Computer Science	430
22.	Computer Peripheral Devices	443
23.	Data Communications & Networking	462
24.	Computer Hardware Trends	493
25.	Application Software	532
26.	Programming Language	539
27.	Management Information System	565
28.	System Analysis & Design	576
29.	Data Base Management System	594
30.	Artificial Intelligence	602
31.	Selection of Computers	617
32.	Applications of Computers & I.T. in Various Fields	623
33.	Model Paper	633



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MCQs

BASIC COMPUTER SCIENCE

(INFORMATION TECHNOLOGY FOR ALL)

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COMPUTER SCIENCE INTRODUCTION (INFORMATION TECHNOLOGY)

MCQs

Write the correct answer:

1. A computer derives its basic strength from:
 (a) Speed (b) Accuracy
 (c) Memory
(d) All of the above
 (e) None of the above
2. Modern computers compared to earlier computers are:
 (a) Faster and larger
 (b) Less reliable
 (c) Larger and stronger
(d) Slower but more reliable
(e) Faster and smaller
3. The use of computer for business applications is attractive because of its:
 (a) Accuracy (b) Reliability
 (c) Speed
 (d) Secret code facility
(e) All of the above
4. A computer is capable of performing almost any task, provided that it can be:
 (a) Coded (b) Memorised
(c) Analysed
(d) Reduced to a series of logical steps
 (e) Changed top mathematic equation
5. A BIT represents a:
(a) Decimal digit
(b) Octal digit
(c) Binary digit
(d) Hexa decimal digit
6. A computer has very high speed, accuracy and reliability. Its intelligence quotient could be of the order of:
 (a) 100
(b) 0
 (c) 50
(d) 200
(e) 99.99

7. Computer cannot do anything without a:
 (a) Chip (b) Memory
 (c) Output device
(d) Program
 (e) None of the above
8. A computer possesses information:
(a) As directed by the operator
(b) Automatically
(c) At once
(d) Gradually and eventually
(e) By truncating
9. Pick up the false statement:
(a) Computer can manipulate both numeric and non-numeric symbols
(b) Computer errors can usually be traced to faulty programs or inaccurate input data
(c) The facts or informational raw materials represented by numeric and non-numeric symbols are called information
(d) The space in the primary storage section is divided into four areas: input, working storage, output and program storage
(e) Information is the relevant knowledge that results from the processing and arranging of data in an ordered and useful form
10. Processors of all computers, whether micro, mini or mainframe must have:
(a) ALU
(b) Primary storage
(c) Control Unit
(d) All of the above
(e) None of the above
11. Pick up the correct statement about computers:

418	Computer Science MCQs
(a) Computers process data with human intervention after the program has been fed	(b) A mini-computer can have more processing capability than a mainframe model
(b) All comparisons are made in the control section	(c) A microcomputer chip performs the arithmetic-logic and control functions of a microcomputer
(c) The arithmetic logic section of the CPU selects, interprets and executes the program steps	(d) ROM chips may be used in micros to permanently store program instruction
(d) The secondary storage devices are usually connected on line to the CPU but for accepting data from them or returning data to them, human intervention is required	(e) Most micros use rigid disk storage devices rather than floppy disk drives
(e) Computers have the built-in ability to obey different types of instructions	
12. Real time computing is possible because of the following characteristic of computer:	16. Control Unit of a digital computer is often called the:
(a) Storage capability	(a) Clock
(b) High speed	(b) Nerve center
(c) Accuracy	(c) ICs
(d) Versatility	(d) All of the above
(e) Automatic in execution	(e) None of the above
13. Pick out the wrong statement about modern computer systems:	17. Pick up the correct statement:
(a) These are simple and easy to take care of	(a) Most mainframes are 48-bit machines
(b) Even beginners, untrained persons can safely handle them	(b) Thousands of super computers are currently being built
(c) They require a highly disciplined approach	(c) Super-computers are usually designed to process accounting applications
(d) It is important to understand the proper handling of each element and proper overall procedures must be followed	(d) Mainframes may have multi-processor components that permit several tasks to be processed at the same instant in time
(e) The negligent use of a computer system will almost always introduce time bombs into the system	(e) Minicomputers can not use high speed buffer storage components and are thus always slower than mainframe models
14. A collection of eight bits is called:	18. The following acronym recognizes the fact that "computer errors" can usually be traced to incorrect input data or unreliable programs:
(a) Byte	(a) GIGO
(b) Word	(b) FIFO
(c) Record	(c) LIFO
(d) File	(d) DASD
(e) None of the above	(e) ROM
15. Choose the incorrect statement about micro computers, mini-computers, etc.	19. Group of instructions that direct a computer is called:
(a) A microcomputer can be placed on a single silicon chip	(a) Storage
	(b) Memory
	(c) Logic
	(d) Program
	(e) None of the above

Computer Science MCQs

419

20. Which of the following does not describe one or more characteristics of a computer?
 (a) Electronic
 (b) External storage
 (c) Stored program
 (d) Program modification at execution
 (e) All of the above are characteristics
21. Which of the following statements is true?
 (a) The smart approach to using computers is to write programs
 (b) Knowledge of the system development life cycle is not important to operators who use computers without programming
 (c) Hands on exposure to the computer is not helpful to those who write programs
 (d) Personal computers have been an important contributing factor in the movement toward using computers without programming
 (e) None of the above is true
22. Which can read data and convert them to a form that a computer can use?
 (a) Logic (b) Storage
 (c) Control input device
 (d) Output device
23. Software instruction intended to satisfy a user's specific processing needs are called:
 (a) System software
 (b) A microcomputer
 (c) Documentation
 (d) Applications software
24. Which kind of hardware is used the most in the input phase of a computer based information system?
 (a) Keyboard (b) Print
 (c) Monitor (d) Hard disk
 (e) Floppy disk
25. Which of the following is not a factor when categorizing a computer?
 (a) Amount of main memory the CPU can use
 (b) Capacity of the storage devices
 (c) Cost of the system
 (d) Where it was purchased
 (e) Speed of the output device
26. Which of the following is the most powerful type of computer?
 (a) Super micro
 (b) Super conductor
 (c) Microcomputer
 (d) Super computer
 (e) Mega frame
27. Which of the following people probable has the least amount of technical knowledge?
 (a) Programmer
 (b) User
 (c) System analyst
 (d) Computer operator
 (e) Computer professional
28. Which kind of storage device can be carried around?
 (a) Floppy disk
 (b) Hard disk
 (c) System cabinet
 (d) Hard disk drive
 (e) Floppy disk drive
29. Which of the following terms applies to communicate between separate computer systems?
 (a) Computer literacy
 (b) Power supply
 (c) Applications software
 (d) Connectivity
 (e) None of the above
30. The Central Processing Unit (CPU) consists of
 (a) Input, output and processing control unit, primary storage & secondary storage
 (b) Control unit, arithmetic-logic unit, primary storage
 (c) Control unit, processing, and primary storage
 (d) None of the above
31. People typically interface with a computer based system when:

420

Computer Science MCQs

- (a) Information must be output
 (b) Data must be input
 (c) information must be reviewed
 the computer needs a direction
 (or instruction) in order to
 process data
 ✓ (d) All of the above
32. The principle advantage of the centralized approach to organizing a computer facility is:
 (a) Cost-effectiveness
 (b) Processing activities are easier to coordinate
 (c) Processing activities are easier to control
 (d) Processing statements can be enforced
 ✓ (e) All of the above
33. The fifth generation digital computer will be:
 (a) Extremely low cost
 (b) Very expensive
 (c) Versatility
 ✓ (d) Artificial intelligence
 (e) None of the above
34. To be information, data must be:
 (a) Factual ✓ (b) Relevant
 (c) News
 (d) All of the above
 (e) None of the above
35. A data system for calculating measures used in statistical inference is an example of a:
 (a) Teleprocessing system
 (b) Data management system
 ✓ (c) Computing system
 (d) All of the above
 (e) None of the above
36. For the purposes of defining data needs, a responsibility area is:
 (a) Marketing
 (b) Administration
 ✓ (c) Personal
 (d) All of above
 (e) None of the above
37. Which is widely used in academic testing?
 (a) MICR (b) POS
- (c) OCR (d) OMR
 (e) None of the above
38. Coded entries which are used to gain access to a computer system are called:
 (a) Entry codes ✓ (b) Passwords
 (c) Security commands
 (d) Code words
39. A factor which might cause an individual to consider using a computer in criminal activities is:
 (a) The computers access to large sums to money
 (b) The speed with which the crime can be accomplished
 (c) EFTS (Electronic Funds Transfer System)
 ✓ (d) All of the above
40. EBCDIC can code up to how many different characters?
 (a) 816 (b) 32
 (c) 64 (d) 256
41. Which of the following statements is true?
 (a) The installation of a computer is favourably received by all employees
 ✓ (b) Some form of training is necessary for employees who will work with computers
 (c) Computers are portrayed solely as society's benefactor
 (d) A business person is only interested in the computer's accuracy
42. Which is considered a direct entry input device?
 (a) Optical scanner
 (b) Mouse
 ✓ (c) Light pen (d) Digitizer
 (e) All of the above
43. The daily processing of connections to customer accounts best exemplifies the processing mode:
 ✓ (a) Batch processing
 (b) Real-time processing
 (c) Interactive processing
 (d) All of the above

Optical Mark
Reading

Computer Science MCQs

421

44. The data processing job expected to further decreases in the 1990s is that of:
 (a) Keypuncher
 (b) Data entry clerk
 (c) Computer operator
 (d) Programmer
 ✓ (e) All of the above
45. Which is a unit of measurement used with computer systems?
 (a) Byte (b) Kilobyte
 (c) Megabyte (d) Gigabyte
 ✓ (e) All of the above
46. Which of the following statements is true?
 (a) Analysts usually work alone and sometimes as part of a team
 (b) Most systems projects are completed in 6 or 12 weeks
 (c) An analyst's primary concern is the development of software
 ✓ (d) Analysts evaluate data flow through an organisation
47. In computer terminology, information means:
 (a) Raw data
 ✓ (b) Data in more useful or intelligible form
 (c) Alphanumeric data
 (d) Program
48. A computer programmer:
 ✓ (a) Does all the thinking for a computer
 (b) Can enter input data quickly
 (c) Can operate all types of computer equipment
 (d) Can draw only flowchart
49. A character is represented in EBCDIC by:
 ✓ (a) One bit (b) Four bits
 (c) Eight bits (d) Sixteen bits
 (e) None of the above
50. Most of the errors blamed on computers are actually due to:
 (a) Programming errors
 (b) Hardware fatigue
 (c) Defects in floppy disks
 ✓ (d) Data entry errors
51. Which is a secondary memory device?
 ✓ (a) CPU (b) ALU
 (c) Floppy disk (d) Mouse
 (e) None of the above
52. Which is the most significant difference between a simple desk calculator and computer? Choose from the following (note that some of the following may not even be true):
 (a) The computer is an electronic machine while the desk calculator may or may not be electronic
 (b) The computer is useful in business applications while the desk calculator is not
 (c) The computer can print its results, while the desk calculator can only show it on a display
 ✓ (d) The computer is controlled by a program stored in its memory while calculator require step by step manual control
 (e) One has to know the method of calculation while using a calculator but a computer user can depend upon the computer to choose the method automatically
53. A term associated with the comparison of processing speeds of different computer systems is: Millions of Instructions per second
 (a) EFTS (b) MPG
 ✓ (c) MIPS (d) CPS
54. RAM is used as a short memory because it:
 ✓ (a) Is volatile
 (b) Is very expensive
 (c) Has small capacity
 (d) Is programmable
 (e) None of the above
55. General purpose computers are those that can be adopted to countless uses simply by changing its:
 (a) Keyboard (b) Printer
 ✓ (c) Program
 (d) Display screen
 (e) None of the above

422

56. Which is the computer memory that does not forget?
 ✓ (a) ROM (b) RAM
 (c) PROM
 (d) All of the above
 (e) None of the above
57. The Senta Clara Valley near Palo Alto, California is popularly known as Silicon Valley of America because:
 (a) Huge deposits of silicon are found there
 ✓ (b) Many silicon chip manufacturing firms are located there
 (c) Santa Claus visits it every Christmas
 (d) It is full of large grain sand
58. Computers are incapable of emotional feelings. However, some people attribute humanlike emotions to imitate objects including computers. What is it called?
 ✓ (a) Anthropogenesis
 ✓ (b) Anthropomorphism
 (c) Anthroolatory
 (d) Cybernetics
59. According to you, which of the following statement is in correct?
 (a) Generally, computers don't make mistakes
 (b) Computers eliminate jobs
 ✓ (c) Computers can think
 (d) Maths is necessary to understand computers
60. The most common binary code in use today is the 8 bit ASCII code. What do the letters ASCII stand for?
 (a) American Standard Code for International Interchange
 ✓ (b) American Standard Code for Information Interchange
 (c) American Standard Code for Intelligence Interchange
 (d) American Scientific Code for Information Interchange
 (e) None of the above
61. It has been found that about 30% of the people feel 'computer anxious'.

Computer Science MCQs

- Out of these, about 3 to 5 percent suffer from serious computer phobia. What is the technical name for this feeling of fear?
 (a) Compuphobia
 (b) Technostress
 ✓ (c) Cyberphobia
 (d) Dizziness
62. What is meant by computer literacy?
 (a) Ability to write computer programs
 ✓ (b) Knowing what a computer can and cannot do
 (c) Knowing computer related vocabulary
 (d) Ability to assemble computers
63. Every thing computer does is controlled by its?
 (a) RAM (b) ROM
 ✓ (c) CPU
 (d) Storage devices
 (e) None of the above
64. The subject of Cybernetics deals with the science of:
 (a) Genetics
 ✓ (b) Control and communications
 (c) Molecular biology
 (d) Biochemistry
65. The heart of any computer is the:
 ✓ (a) CPU (b) Memory
 (c) I/O unit (d) Disks
 (e) None of the above
66. The attribution of human form or qualities to things such as machines or computers is called?
 (a) Cybernetics
 (b) Cybernation
 ✓ (c) Artificial intelligence
 (d) Anthropomorphism
67. One thousand bytes represent a:
 (a) Megabyte (b) Gigabyte
 ✓ (c) Kilobyte
 (d) All of the above
 (e) None of the above
68. A 'number crunching' computer is one that can handle:
 (a) Large spreadsheets
 (b) Large alphanumeric data

Computer Science MCQs

423

69. In computer technology, what is meant by the phrase 'state-of-the-art'?
- Up-to-date
 - Best
 - Latest
 - All of the above
 - None of the above
70. A Winchester disk is a:
- Disk stack
 - Removable disk
 - Flexible disk
 - All of the above
 - None of the above
71. Though a computer can replace people in dull and routine tasks, yet it lacks:
- Initiative
 - Originality
 - Speed
 - Accuracy
72. The word 'computer' usually refers to the central processor units plus:
- Keyboard
 - External memory
 - Internal memory
 - Peripheral devices
73. If a computer had no decision-making function, what will it be reduced to?
- Electrical machine
 - Adding machine
 - Counting machine
 - Slide rule
74. Which of the following is responsible for coordinating various operations using timing signals?
- Arithmetic-logic unit
 - Control unit
 - Memory unit
 - Input/output unit
 - None of the above
75. Human beings are referred to as Homosapiens. Which device is called Silico sapiens?
- Monitor
 - Hardware
 - Robot
 - Computer
76. A new technology which provides the ability to create an artificial world and have people interact with it is called:
- Televirtuality
 - Virtual reality
77. A single bus structure is primarily found in:
- Main frames
 - Super computers
 - High performance machines
 - Mini and micro computers
 - None of the above
78. Which of the following is not currently a topic in computer science?
- Speech recognition
 - Artificial intelligence
 - Thermodynamics
 - Multiprocessing
79. Which of the following is not used in the storage phase of a computer-based information system?
- Magnetic
 - Keyboard
 - Diskette
 - Hard disk
 - None of the above
80. In computer jargon, wetware means human intelligence:
- Any organic intelligence
 - Artificial intelligence
 - High intelligence
 - None of these
81. In March 1991, Hannover in Germany hosted an outstanding exhibition of information technology covering computer software, office automation, personal computers, telecommunications, security equipment etc., alongwith C-technologies. What is meant by C-technologies?
- CAD
 - CAM
 - CIM
 - All of the above
 - None of the above
82. The availability of low-price mini-computers largely responsible for the current interest in:
- Real time processing
 - Batch processing
 - Distributed processing
 - Transaction processing

424

83. A digital computer is superior to an analog computer in terms of:
 (a) Cost, speed and space requirements
 ✓ (b) Cost, accuracy and versatility
 (c) Cost, speed and accuracy
 (d) All of the above
84. A name or number used to identify of a storage location is called:
 (a) A byte (b) A record
 ✓ (c) An address
 (d) All of the above
 (e) None of the above
85. A word processor is used for:
 (a) Scientific and engineering calculations
 (b) Producing graphs, charts and maps
 ✓ (c) Routine office correspondence
 (d) Business calculations
86. Abacus was first of all used by the country:
 (a) USA (b) Japan
 ✓ (c) China (d) France
87. The most commonly used standard data code to represent alphabetical, numerical & punctuation characters used in Electronic Data Processing System is called:
 ✓ (a) ASCII (b) EBCDII
 (c) BCD
 (d) All of the above
 (e) None of the above
88. Ergonomics is study of:
 (a) Cost relationship between computer hardware and software
 (b) Different computer operating systems
 (c) Gradation of various computer professionals
 ✓ (d) Human aspect of the environment around the computer system
89. To process data, the data processing machines need to be feed with:
 (a) Only data
 (b) Only instructions

Computer Science MCQs

- ✓ (c) Data and instructions both
 (d) None of the above
90. In which of the following terminals the screen is regarded as an array of pixels, where each pixel is either on or off?
 (a) Character map terminal
 ✓ (b) Bit map terminal
 (c) RS-232 C terminal
 (d) All of the above
 (e) None of the above
91. A computer:
 (a) Is an intelligent machine
 (b) Can get tired easily
 (c) May forget if you give it too much data
 ✓ (d) None of the above
92. How many input lines are needed to construct 1024 bit coincident core plane?
 (a) 8 (b) 16
 (c) 32 ✓ (d) 64
 (e) None of the above
93. A digital computer is based on the principle of:
 (a) Measurement
 (b) Logic
 (c) Multiplication
 ✓ (d) Counting
94. How many types of storage loops exist in magnetic bubble memory?
 (a) 8 (b) 4
 (c) 16 ✓ (d) 2
 (e) None of the above
95. The linking of computers with communication system is called:
 ✓ (a) Networking (b) Pairing
 (c) Interlocking (c) Assembling
96. Standardization means:
 (a) Connecting two computer systems
 ✓ (b) Compatibility between different computer systems from different suppliers
 (c) Always using a standard parallel interface
 (d) Joining a computer user group

Computer Science MCQs

425

Static Random
Access Memory

97. Which memory is nonvolatile and may be written only once?
 (a) RAM (b) EP-ROM
 (c) SRAM (d) PROM
98. For creating and editing legal documents which application packaged would be most useful:
 (a) Spreadsheet
 ✓ (b) Word-processing
 (c) Graphic
 (d) Communication
99. Word-processing is used for:
 (a) Presentation of data in graphical form
 (b) What if analysis
 (c) Entry, verifying, updating, retrieving etc., of records
 ✓ (d) Creation, storage, editing etc., of text
100. Which of the following statements is wrong?
 (a) An EPROM can be programmed, erased and reprogrammed by the user with an EPROM programming instrument
 (b) Magnetic tape is non volatile
 ✓ (c) Magnetic core and semiconductor memories are used as mass memory medium
 (d) RAM is a type of volatile memory
 (e) None of the above
101. Which of the following program is useful for merging names and address with repetitive letters for mass mailing?
 ✓ (a) Word-processing and database integrated program
 (b) Database management and spreadsheet program
 (c) Graphics program
 (d) Communication program
102. The data bus in 8080A/8085 microprocessor is a group of:
 ✓ (a) Eight bidirectional lines that are used to transfer 8 bits between
- the micro-processor and its I/O and memory
 (b) Sixteen bidirectional lines that are used for data transfer between the micro-processor and memory
 (c) Eight un-directional lines that are used for I/O devices
 (d) Eight lines used to transfer data among the registers
 (e) None of the above
103. The operation of a digital computer is based on _____ principle:
 ✓ (a) Counting (b) Measuring
 (c) Electronic (d) Logical
 (e) None of the above
104. DBMS stands for:
 (a) Database marketing system
 (b) Database management studies
 ✓ (c) Database management system
 (d) Database marketing strategies
105. An integrated circuit is:
 (a) A complicated circuit
 (b) An integrating device
 (c) Much costlier than a single transistor
 ✓ (d) Fabricated on a tiny silicon chip
 (e) None of the above
106. A dumb terminal with a keyboard and CRT and connected to a computer is:
 (a) An off-line device
 ✓ (b) An on-line device
 (c) Neither on-line nor off-line device
 (d) Both (a) and (b)
107. When a bank teller uses a computer terminal to know the balance in a customer's accounts it is an example of?
 (a) On-line updating
 (b) Off-line processing
 ✓ (c) On-line query
 (d) On-line processing
108. Most important advantage of an IC is its:
 (a) Easy replacement in case of circuit failure
 ✓ (b) Extremely high reliability

426

Computer Science MCQs

- (c) Reduced cost
 (d) Low power consumption
 (e) None of the above
109. The concept that many users can share a computer is called:
 ✓ (a) Time-sharing
 (b) Distributed processing
 (c) Parallel processing
 (d) Interpersonal relationship
110. Which one of the following words has computer meaning and a computer meaning:
 ✓ (a) Mode (b) Bus
 (c) Quick (d) Plotter
111. Which is a computer program?
 (a) Utility software
 (b) Application package
 (c) Operating system
 ✓ (d) All of the above are computer programs
112. The computer stores its program and data in its:
 (a) ALU (b) Control unit
 ✓ (c) Memory
 (d) Cache memory
113. What is the number of read-write heads in the drive for a 9-track magnetic tape?
 (a) 9 ✓ (b) 16
 (c) 18 (d) 27
 (e) None of the above
114. An operating system:
 (a) Is not required on large computers
 (b) Is always supplies with computer
 (c) Is always written in BASIC
 ✓ (d) Consists of programs that help in the operation of computer
115. The number of tracks on a 1/2 inch wide magnetic tape is:
 (a) 7 ✓ (b) 9
 (c) 18 (d) 16
 (e) None of the above
116. Which type of computers have really brought the advantages of computers to homes and small business:
 (a) Minicomputers
- (b) Microcomputers
 (c) Super computers
 (d) Mainframes
117. The tangible part of a computer system is:
 (a) Input data (b) Output data
 (c) Software ✓ (d) Hardware
118. Large computers which can process huge data at high speed are known as:
 (a) Networks
 (b) Minicomputers
 (c) Microcomputers
 ✓ (d) Mainframes
119. What is the most common speed in rpm at which the hard disk usually rotate:
 (a) 2400 ✓ (b) 3600
 (c) 4700 (d) 1600
120. Computerized railway reservation system is an example of:
 ✓ (a) On-line application
 (b) Off-line application
 (c) Both (a) and (b)
 (d) None of the above
121. Managers who have no technical knowledge about a computer can be easily trained to operate a/an:
 (a) Minicomputer
 ✓ (b) Personal computer
 (c) Super computer
 (d) Microcomputer
122. Present day computers are based on:
 (a) Analog technology
 (b) Hybrid technology
 ✓ (c) Digital technology
 (d) None of the above
123. The use of computer work stations to send and receive messages is known as:
 (a) Electronic funds transfer
 (b) Electronic message switching
 ✓ (c) Electronic mail
 (d) Electronic publishing
124. Protecting the data from unauthorized access is called:
 (a) Data inaccessibility
 (b) Data encryption
 ✓ (c) Data security
- Confidentiality. Confidentiality refers to the protection of information from unauthorized access or disclosure.

Computer Science MCQs

427

- (d) Data validity
125. What is true about supercomputers?
- They can fit on a single small chip
 - They are found at thousands of places around the world
 - They cost only few thousand rupee
 - They can process billions of operations in a second
126. In a distributed computer system:
- There are many computers and terminals
 - The task is executed by a number of processors
 - The task is distributed throughout the system
 - All of the above
127. A computer system used solely for manipulation of text is called:
- Dedicated computer system
 - Dedicated data processor
 - Dedicated word-processor
 - Dedicated DBMS
128. A computer programming language often used by children is:
- LOGO
 - PILOT
 - BASIC
 - PASCAL
129. The linking computers with a communication system is called:
- Networking
 - Pairing
 - Interfacing
 - Assembling
130. The software generally used for what-if analysis is related to:
- Word-processing
 - Graphics
 - Database management
 - None of the above
131. Distributed data entry means that data can be:
- Entered at different locations where it originates
 - Sent to different locations from central place
 - Accessed from different places known as distribution points
 - Distributed through a network
132. Software documentation refers to:
- (✓) Anything written about how the software is designed or functions
- (b) The documents which the user has to sign before using the software legally
- (c) The compatibility of the software with IBM-PC
- (d) None of the above
133. If a home computer user wants access to national database networks he/she at least requires:
- A microcomputer, a modem, a telephone line
 - A microcomputer, a teleprinter, a telephone line
 - A microcomputer, communication software, a telephone line
 - A microcomputer, a modem, communication software, a telephone line
134. Which of the following factors does not affect the total time taken to generate by using computers?
- Entry of data
 - Complexity of calculations to be performed
 - Type and format of output required
 - Power of the processor
 - Speed of the printer
 - Place where the computer is kept
135. Which of the following functions of a computer is wrong?
- It obtains data from an input device
 - It processes the data and delivers the final results to an output device
 - It takes processing steps from the list of instructions called program
 - It stores the program and data in memory
 - It generates the program on its own

428

Computer Science MCQs

136. The heart of a computer is:
 (a) CPU (b) Memory
 (c) I/O Unit (d) Disks
137. A computer consists of:
 (a) A central processing unit
 (b) A memory
 (c) Input and output units
 (d) All of the above
138. Which of the following is not used as secondary storage?
 (a) Semiconductor memory
 (b) Magnetic disks
 (c) Magnetic drums
 (d) Magnetic tapes
139. Which of the following memory is capable of operating at electronic speed?
 (a) Semiconductor memory
 (b) Magnetic disks
 (c) Magnetic drums
 (d) Magnetic tapes
140. Which of the following is responsible for coordinating various operations using timing signals?
 (a) Arithmetic-logic unit
 (b) Control unit
 (c) Memory unit
 (d) I/O unit
141. The ALU of a computer normally contains a number of high speed storage elements called:
 (a) Semiconductor memory
 (b) Registers (c) Hard disk
 (d) Magnetic disk
142. Memories in which any location can be reached in a fixed (and short) amount of time after specifying its address is called:
 (a) Sequential-access memory
 (b) Random-access memory
 (c) Secondary memory
 (d) Mass storage
143. Which of the following is the fastest?
 (a) CPU
 (b) Magnetic tapes and disks
 (c) Video terminal
 (d) Sensors, mechanical controllers
144. Modern computers do not work with decimal numbers. Instead, they process binary numbers i.e., groups of 0s and 1s because:
 (a) Electronic devices are most reliable when designed for two state (binary) operation
 (b) Binary circuits are simple
 (c) Memory is only possible for binary numbers
 (d) With decimal numbers, the circuits are complex and costly
 (e) With decimal numbers, processing speed is slow
145. A computer can be defined as an electronic device that can (choose the most precise definition):
 (a) Carry out arithmetical operations
 (b) Carry out logical functions
 (c) Do complicated calculations
 (d) Accept and process data by implementing sequentially a set of stored instructions
 (e) Present information to the operator on a visual display unit
146. Stored instructions and data in digital computers consist of:
 (a) Alphabets (b) Numerals
 (c) Characters (d) Scripts
 (e) Bits
147. A digital computer performs its computations by:
 (a) Mechanical means
 (b) Analogy (c) Guessing
 (d) Counting
 (e) None of the above
148. Binary coded decimal (BCD) numbers express each decimal digital as: 2 = 0010 3 = 0011 4 = 0100
 (a) Binary digits
 (b) Digits and strings
 (c) Nibble (d) Word
 (e) Byte
149. The basic operation performed by a computer is:
 (a) Arithmetic operations
 (b) Logic operations
 (c) Storage and retrieval operations

Computer Science MCQs

429

<p>150. Who is regarded as the father of computers?</p> <p>(a) Abacus (b) John Napier (c) Pascal (d) Charles Babbage (e) Hollerith</p>	<p>151. The analog computer deals directly with:</p> <p>(a) Number or codes (b) Measured values of continuous physical magnitude (c) Signals in the form of 0 or 1 (d) Signals in discrete values from 6 to 9 (e) Pulses</p>
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ANSWERS

1.	(d)	2.	(e)	3.	(e)	4.	(d)	5.	(c)	6.	(b)	7.	(d)	8.	(b)
9.	(c)	10.	(d)	11.	(e)	12.	(b)	13.	(b)	14.	(a)	15.	(e)	16.	(b)
17.	(d)	18.	(a)	19.	(b)	20.	(d)	21.	(d)	22.	(d)	23.	(d)	24.	(a)
25.	(d)	26.	(d)	27.	(b)	28.	(a)	29.	(d)	30.	(c)	31.	(e)	32.	(e)
33.	(d)	34.	(d)	35.	(c)	36.	(c)	37.	(d)	38.	(b)	39.	(d)	40.	(e)
41.	(b)	42.	(e)	43.	(a)	44.	(a)	45.	(e)	46.	(d)	47.	(b)	48.	(a)
49.	(c)	50.	(d)	51.	(c)	52.	(d)	53.	(c)	54.	(a)	55.	(c)	56.	(a)
57.	(b)	58.	(b)	59.	(c)	60.	(b)	61.	(c)	62.	(b)	63.	(c)	64.	(b)
65.	(a)	66.	(d)	67.	(c)	68.	(c)	69.	(d)	70.	(a)	71.	(b)	72.	(c)
73.	(b)	74.	(b)	75.	(a)	76.	(b)	77.	(d)	78.	(c)	79.	(b)	80.	(b)
81.	(d)	82.	(c)	83.	(b)	84.	(c)	85.	(c)	86.	(c)	87.	(a)	88.	(d)
89.	(c)	90.	(b)	91.	(d)	92.	(d)	93.	(d)	94.	(d)	95.	(a)	96.	(b)
97.	(c)	98.	(b)	99.	(d)	100.	(c)	101.	(a)	102.	(a)	103.	(a)	104.	(c)
105.	(d)	106.	(b)	107.	(c)	108.	(b)	109.	(a)	110.	(a)	111.	(d)	112.	(c)
113.	(b)	114.	(d)	115.	(b)	116.	(b)	117.	(d)	118.	(d)	119.	(b)	120.	(a)
121.	(b)	122.	(c)	123.	(c)	124.	(c)	125.	(d)	126.	(c)	127.	(d)	128.	(a)
129.	(a)	130.	(d)	131.	(a)	132.	(a)	133.	(d)	134.	(f)	135.	(e)	136.	(a)
137.	(d)	138.	(a)	139.	(a)	140.	(b)	141.	(b)	142.	(b)	143.	(a)	144.	(a)
145.	(d)	146.	(e)	147.	(d)	148.	(c)	149.	(d)	150.	(d)	151.	(b)		

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