

National Testing Agency

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Fundamentals of Computer Systems

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|--------------------------------------|-----------|
| Group Number : | 1 |
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Fundamentals of Computer Systems-1

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|--------------------------------|-----------|
| Section Id : | 603489251 |
| Section Number : | 1 |
| Section type : | Online |
| Mandatory or Optional : | Mandatory |

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|---|-----------|
| Number of Questions : | 50 |
| Number of Questions to be attempted : | 50 |
| Section Marks : | 100 |
| Enable Mark as Answered Mark for Review and Clear Response : | Yes |
| Sub-Section Number : | 1 |
| Sub-Section Id : | 603489480 |
| Question Shuffling Allowed : | Yes |

Question Number : 1 Question Id : 60348913066 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

A computer is an

1. Electronic Device
2. Electrical Device
3. Mechanical Device
4. None of Above

Options :

60348949559. 1

60348949560. 2

60348949561. 3

60348949562. 4

Question Number : 2 Question Id : 60348913067 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

CPU stands for

1. Central Programming Unit
2. Central Processing Unit
3. Central Part Unit
4. Control Processing Unit

Options :

60348949563. 1

60348949564. 2

60348949565. 3

60348949566. 4

Question Number : 3 Question Id : 60348913068 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not part of CPU?

1. CU
2. Main Memory
3. ALU
4. None of the above

Options :

60348949567. 1

60348949568. 2

60348949569. 3

60348949570. 4

Question Number : 4 Question Id : 60348913069 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Hard Disk is a.....

1. Input device
2. Storage device
3. Output device
4. None of the above

Options :

60348949571. 1

60348949572. 2

60348949573. 3

60348949574. 4

Question Number : 5 Question Id : 60348913070 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Contents from which of the memory is erased from it when computer is turned off?

1. PROM
2. ROM
3. RAM
4. EPROM

Options :

60348949575. 1

60348949576. 2

60348949577. 3

60348949578. 4

Question Number : 6 Question Id : 60348913071 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which memory is cheaper in terms of the cost per bit of storage?

1. Cache memory
2. Register
3. Main memory
4. Secondary memory

Options :

60348949579. 1

60348949580. 2

60348949581. 3

60348949582. 4

Question Number : 7 Question Id : 60348913072 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

To start-up(boot) a computer, in which memory data and instructions are stored so that it does not get erased after power off?

1. SDRAM
2. ROM
3. DRAM
4. Register

Options :

60348949583. 1

60348949584. 2

60348949585. 3

60348949586. 4

Question Number : 8 Question Id : 60348913073 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

One Gigabyte (GB) is equals to

1. 1024 Kilobytes(KB)
2. 1024 Megabytes(MB)
3. 100 Megabytes(MB)
4. 1000 Kilobytes(KB)

Options :

60348949587. 1

60348949588. 2

60348949589. 3

60348949590. 4

Question Number : 9 Question Id : 60348913074 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The set of corresponding tracks on all surfaces of a stack of disks form a logical

1. Sector
2. Vector
3. Cylinder
4. Track

Options :

60348949591. 1

60348949592. 2

60348949593. 3

60348949594. 4

Question Number : 10 Question Id : 60348913075 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Access method used for obtaining records from a magnetic-tape is known as....

1. Sequential Access
2. Direct Access
3. Random Access
4. None of the above

Options :

60348949595. 1

60348949596. 2

60348949597. 3

60348949598. 4

Question Number : 11 Question Id : 60348913076 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not an output device?

1. Scanner
2. Monitor
3. Printer
4. Projector

Options :

60348949599. 1

60348949600. 2

60348949601. 3

60348949602. 4

Question Number : 12 Question Id : 60348913077 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The device that controls a cursor in a GUI and can move and select text, icons, files, and folders on your computer is.....

1. Printer
2. Mouse
3. Speaker
4. Scanner

Options :

60348949603. 1

60348949604. 2

60348949605. 3

60348949606. 4

Question Number : 13 Question Id : 60348913078 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Laser printer is.....

1. Line printer
2. Character printer
3. Page printer
4. Block printer

Options :

60348949607. 1

60348949608. 2

60348949609. 3

60348949610. 4

Question Number : 14 Question Id : 60348913079 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Resolution of a monitor means.....

1. Total number of pixels on screen
2. Total number of pixels per centimeter
3. Total number of pixels per inch
4. Total number of pixels per millimeter

Options :

60348949611. 1

60348949612. 2

60348949613. 3

60348949614. 4

Question Number : 15 Question Id : 60348913080 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is word processing software?

1. Word
2. Excel
3. Power Point
4. Paint Brush

Options :

60348949615. 1

60348949616. 2

60348949617. 3

60348949618. 4

Question Number : 16 Question Id : 60348913081 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not an application software?

1. Web Browser
2. Word Processing Software
3. Spreadsheet Software
4. Linux Operating System

Options :

60348949619. 1

60348949620. 2

60348949621. 3

60348949622. 4

Question Number : 17 Question Id : 60348913082 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

System software controls the operation of devices, Memory and Processor.

1. Input
2. Output
3. Both Input and Output
4. None of the above

Options :

60348949623. 1

60348949624. 2

60348949625. 3

60348949626. 4

Question Number : 18 Question Id : 60348913083 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Primary key is a field that uniquely identifies each...

1. Table
2. Record
3. Attribute
4. Relation

Options :

60348949627. 1

60348949628. 2

60348949629. 3

60348949630. 4

Question Number : 19 Question Id : 60348913084 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not a type of DBMS?

1. Hierarchical Database System
2. Network Database System
3. Mixed Database System
4. Relational Database System

Options :

60348949631. 1

60348949632. 2

60348949633. 3

60348949634. 4

Question Number : 20 Question Id : 60348913085 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

SQL stands for.....

1. Simple Query Language
2. Structured Query Language
3. Strong Query Language
4. None of the above

Options :

60348949635. 1

60348949636. 2

60348949637. 3

60348949638. 4

Question Number : 21 Question Id : 60348913086 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not a component of an ER-Diagram?

1. Entity
2. Relationship
3. Attributes
4. Data Repository

Options :

60348949639. 1

60348949640. 2

60348949641. 3

60348949642. 4

Question Number : 22 Question Id : 60348913087 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not a data type in C programming language?

1. int
2. float
3. string
4. char

Options :

60348949643. 1

60348949644. 2

60348949645. 3

60348949646. 4

Question Number : 23 Question Id : 60348913088 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Algorithms and flowcharts are developed _____ writing the program.

1. before
2. after
3. at any stage while
4. at the end of

Options :

60348949647. 1

60348949648. 2

60348949649. 3

60348949650. 4

Question Number : 24 Question Id : 60348913089 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What is the base value of a hexadecimal number system?

1. 16
2. 8
3. 4
4. 10

Options :

60348949651. 1

60348949652. 2

60348949653. 3

60348949654. 4

Question Number : 25 Question Id : 60348913090 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Connector in Flowchart is represented by

1. Rectangle
2. Ellipse
3. Circle
4. Parallelogram

Options :

60348949655. 1

60348949656. 2

60348949657. 3

60348949658. 4

Question Number : 26 Question Id : 60348913091 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

C programming language was designed and developed byfrom Bell Laboratories.

1. Carnnigie and Mellon
2. Keringham and Pike
3. Kernighan and Ritchie
4. None of the above

Options :

60348949659. 1

60348949660. 2

60348949661. 3

60348949662. 4

Question Number : 27 Question Id : 60348913092 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not a primary network topology?

1. Bus Topology
2. Ring Topology
3. Star Topology
4. None of the these

Options :

60348949663. 1

60348949664. 2

60348949665. 3

60348949666. 4

Question Number : 28 Question Id : 60348913093 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not used in a wireless personal area network?

1. Infrared
2. Bluetooth
3. Zigbee
4. Radio wave

Options :

60348949667. 1

60348949668. 2

60348949669. 3

60348949670. 4

Question Number : 29 Question Id : 60348913094 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which protocol belongs to the network layer?

1. HTTP
2. TCP
3. IP
4. Mail transfer protocol

Options :

60348949671. 1

60348949672. 2

60348949673. 3

60348949674. 4

Question Number : 30 Question Id : 60348913095 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which virus is capable of infecting multiple parts of a system including boot sector, memory and files?

1. Boot Sector Virus
2. Multipartite Virus
3. Stealth Virus
4. Armored Virus

Options :

60348949675. 1

60348949676. 2

60348949677. 3

60348949678. 4

Question Number : 31 Question Id : 60348913096 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following task is not performed by a repeater?

1. Regenerate the original bit pattern
2. Connect the segments of two LANs
3. Boost a network signal
4. None of the above

Options :

60348949679. 1

60348949680. 2

60348949681. 3

60348949682. 4

Question Number : 32 Question Id : 60348913097 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Physical layer does not deal with.....

1. Voltage representation of binary data
2. Synchronization
3. Error correction and deletion
4. Transmission mode

Options :

60348949683. 1

60348949684. 2

60348949685. 3

60348949686. 4

Question Number : 33 Question Id : 60348913098 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is a transmission media?

1. Optical Fiber
2. Coaxial Cable
3. Satellite
4. All of the above

Options :

60348949687. 1

60348949688. 2

60348949689. 3

60348949690. 4

Question Number : 34 Question Id : 60348913099 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

In C programming, Switch-Case statement is a.....statement.

1. Looping
2. Conditional
3. Iterative
4. Sequential

Options :

60348949691. 1

60348949692. 2

60348949693. 3

60348949694. 4

Question Number : 35 Question Id : 60348913100 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The OSI reference model in Computer Network comprises of.....layers.

1. Two
2. Seven
3. Five
4. Eight

Options :

60348949695. 1

60348949696. 2

60348949697. 3

60348949698. 4

Question Number : 36 Question Id : 60348913101 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

What kind of a signal wave is used in fiber optics?

1. Microwave
2. Radio
3. Light
4. Infrared

Options :

60348949699. 1

60348949700. 2

60348949701. 3

60348949702. 4

Question Number : 37 Question Id : 60348913102 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Information security is not concerned with.....

1. Confidentiality
2. Affordability
3. Integrity
4. Availability

Options :

60348949703. 1

60348949704. 2

60348949705. 3

60348949706. 4

Question Number : 38 Question Id : 60348913103 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Electromagnetic waves ranging from 1 GHz to 300 GHz are called

1. Ultraviolet
2. Infrared
3. Radio wave
4. Microwave

Options :

60348949707. 1

60348949708. 2

60348949709. 3

60348949710. 4

Question Number : 39 Question Id : 60348913104 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following criteria is commonly used for selecting a Modem?

1. Speed
2. Reliability
3. Device interface
4. Accuracy in data delivery

Options :

60348949711. 1

60348949712. 2

60348949713. 3

60348949714. 4

Question Number : 40 Question Id : 60348913105 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which is an example of Spyware?

1. Bot
2. File Virus
3. Boot Sector Virus
4. Keylogger

Options :

60348949715. 1

60348949716. 2

60348949717. 3

60348949718. 4

Question Number : 41 Question Id : 60348913106 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Rectangle in a flowchart is not used for showing ...

1. Process
2. Task
3. Decision making
4. Operations

Options :

60348949719. 1

60348949720. 2

60348949721. 3

60348949722. 4

Question Number : 42 Question Id : 60348913107 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

In a C program given that `int i=9;` and `int j=4;` then `printf("i%j=%d",i%j);` will print...

1. `i%j =0`
2. `i%j =1`
3. `i%j =2`
4. None of the above

Options :

60348949723. 1

60348949724. 2

60348949725. 3

60348949726. 4

Question Number : 43 Question Id : 60348913108 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

NIC stands for?

1. Network Interconnection Card
2. Network Interface Card
3. Network Interface Connector
4. None of the above

Options :

60348949727. 1

60348949728. 2

60348949729. 3

60348949730. 4

Question Number : 44 Question Id : 60348913109 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

The main source of virus spread is through.....

1. Internet
2. Hard Disk
3. Pen Drive
4. CD ROM

Options :

60348949731. 1

60348949732. 2

60348949733. 3

60348949734. 4

Question Number : 45 Question Id : 60348913110 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is not a real security and privacy threat?

1. Virus
2. Spam
3. Hackers
4. Worm

Options :

60348949735. 1

60348949736. 2

60348949737. 3

60348949738. 4

Question Number : 46 Question Id : 60348913111 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Security feature not included in switches is.....

1. Port opening
2. Address locking
3. Port authentication
4. Broadcast storm control

Options :

60348949739. 1

60348949740. 2

60348949741. 3

60348949742. 4

Question Number : 47 Question Id : 60348913112 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following belongs to the broad category of S/W vulnerabilities?

1. Network Vulnerability
2. OS Vulnerability
3. Password Vulnerability
4. All of the above

Options :

60348949743. 1

60348949744. 2

60348949745. 3

60348949746. 4

Question Number : 48 Question Id : 60348913113 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Asymmetric key encryption is considered to be more secure compared to symmetric encryption because_____

1. Use of two keys
2. When a message is encrypted using a public key, it can be only decrypted using a private key
3. No need of sharing keys
4. All of the above

Options :

60348949747. 1

60348949748. 2

60348949749. 3

60348949750. 4

Question Number : 49 Question Id : 60348913114 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which virus exists in encrypted form in order to avoid detection by antivirus S/W?

1. Encrypted Virus
2. Decrypted Virus
3. Tunneling Virus
4. Stealth Virus

Options :

60348949751. 1

60348949752. 2

60348949753. 3

60348949754. 4

Question Number : 50 Question Id : 60348913115 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 2 Wrong Marks : 0

Which of the following is a pointing device?

1. Monitor
2. Printer
3. Light Pen
4. Keyboard

Options :

60348949755. 1

60348949756. 2

60348949757. 3

60348949758. 4