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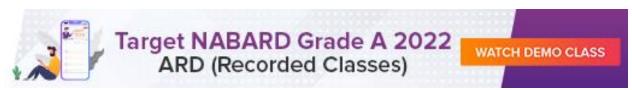GET IT ON
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1.Normalization is a process of restructuring a relation to_____.
A. Minimize duplication of data in a database
B. Maximize duplication of data to ensure reliability in
C. Make it of uniform size
D. Allow addition of data
E. None of these

2.A network geometric arrangement in which a single connecting line is shared by a number of nodes is called_____.
A. Car Topology
B. Bus Topology
C. Truck Topology
D. All of the above
E. None of these

3.By viewing the properties of the local hard disk of a computer, the user can find out_____.
A. The amount of space that has been used up and the remaining free space on the disk.
B. The name of the user viewing the properties of the disk.
C. Nothing useful to the user.
D. The number of programs available in the computer.
E. None of these

4.Junk e-mail is also called as _____.
A. cookie crumbs
B. Spoof
C. Spam
D. sniffer script
E. Garbage

5.A hacker that changes or forges information in an electronic resource, is engaging in _____.
A. denial of service
B. sniffing
C. terrorism
D. data diddling
E. None of these

6.Computers manipulate data in many ways, and this manipulation is called _____.

A. Upgrading
B. Processing
C. Batching
D. Utilizing
E. Downloading

7.Why is the Caps Lock key referred to as a toggle key?
A. Because its function goes back and forth every time it is pressed
B. Because it cannot be used for entering numbers
C. Because it cannot be used to delete
D. Because it cannot be used to insert
E. None of these

8.Microprocessors as switching devices are for which generation computers?
A. First Generation
B. Second Generation
C. Third Generation
D. Fourth Generation
E. None of these

9._____ is an important circuitry in a computer system that directs the operation of the processor.
A. Memory
B. Control Unit
C. Address Bus
D. Accumulator
E. None of these

10.Which key is used to rename a selected file or icon?
A. F1
B. F2
C. F3
D. F4
E. None of these

11.Which of the following is not a number system?
A. Hexadecimal
B. Octal
C. Radix
D. Binary
E. None of these

12.One-way authentication is based on_____.
A. Possession of a secret (Password)
B. Possession of an artifact
C. Unique physiological or behavioral characteristics of the user
D. All of the above
E. None of these

13.A policy on firewalls needs not _____.
A. Include log reports of database
B. Include guidelines for assessment of logs
C. Ensure that it is physically secured
D. Ensure that it is logically secured
E. None of these

14._____ are specially designed computer chips reside inside other devices, such as your car or your electronic thermostat.
A. Servers
B. Embedded computers
C. Robotic computers
D. Mainframes
E. None of these

15.In conventional file systems the term _____ refers to the smallest item of data with some practical meaning.
A. Record
B. File
C. Field
D. Table
E. None of these

16.In Word, the feature that automatically correcting the most common of spelling errors and typos while writing?
A. Autocorrect
B. Autograph
C. Spelling and Grammar
D. Go to
E. Thesaurus

17.Switch is a network device whose responsibility is to_____.
A. Protect from virus attack
B. turn of the power to network

C. Connect Network devices
D. Boot the network
E. None of these

18.Micro instruction are kept in _____.
A. Main memory
B. Control store
C. Cache
D. Either A or B
E. None of these

19.A(n) _____ is a small group of computers and peripherals linked together in a small geographic are?
A. MAN
B. PAN
C. CAN
D. LAN
E. None of these

20.Red triangle at the top right corner of a cell indicates_____.
A. There is an error in the cell
B. There is a comment associated with the cell
C. The font color of the text in cell is red
D. The cell can't accept formula
E. None of these.

21.Malicious software is known as _____.
A. Badware
B. Malware
C. Malicious ware
D. Iiigalware
E. None of these

22.A _____ is a design tool that graphically shows the logic in a solution algorithm.
A. Flowchart
B. Hierarchy chart
C. Structure chart
D. Context diagram
E. None of these

23._____ is one reason for problems of data integrity.
A. Data availability constraints
B. Data inconsistency
C. Security constraints
D. Unauthorised access of data
E. Data redundancy

24._____ are bundles of related software packages that are sold together.
A. Personal productivity tools
B. Word and PowerPoint
C. Screen savers
D. Excel and WordPerfect
E. Software suites

25.Second generation computers are made of _____.
A. Vacuum Tubes
B. Transistors
C. LSI
D. VLSI
E. None of these

26.Communication circuits that transmit data in both directions but not at the same time are operating in _____.
A. Simplex mode
B. half-duplex mode
C. full-duplex mode
D. asynchronous mode
E. None of these

27.IDE stands for _____.
A. Integrate Disk Error
B. Input Data Error
C. Integrated Development Environment
D. Integrated Disk Environment
E. None of these

28.For which movie, Aparna Balamurali has been conferred with the 68th National Film Award 2022 for best actor in the female category?
A. Narappa
B. Jai Bhim
C. Soorarai Pottru

D. Drishyam 2
E. Toolsidas Junior

29.Microprocessors as switching devices are for which generation computers?
A. First Generation
B. Second Generation
C. Third Generation
D. Fourth Generation
E. None of these

30.Nobel Peace laureates, David Trimble, known for Good Friday Agreement, passed away, was received nobel peace prize in which year?
A. 1998
B. 1999
C. 2000
D. 2001
E. 1997

31.Switch is a network device whose responsibility is to_____.
A. Protect from virus attack
B. turn of the power to network
C. Connect Network devices
D. Boot the network
E. None of these

32.Grameen Aajivika Vikas Parishad has signed a pact with Telangana's Stree Nidhi, to set up a financial institution for women in which state?
A. Madhya Pradesh
B. Uttar Pradesh
C. Gujarat
D. Rajasthan
E. Odisha

33.Which of the following conglomerate companies has received an approval from Reserve Bank of India under Section 45 IA of the Reserve Bank of India Act, 1934 to commence its NBFC business?
A. Tata Motors
B. Aurobindo Pharma
C. Glenmark Pharmaceuticals
D. Piramal enterprises
E. Larsen and Toubro

34.Who among the following Indian-American professors has been conferred with the prestigious Global Energy Prize for outstanding contributions to transportation electrification?
A. Renu Khator
B. Sujit Choudhry
C. Dr. Subra Suresh
D. Rakesh Khurana
E. Kaushik Rajashekara

###ANSWERS###

1. Ans. A.
Normalization is the process of restructuring the logical data model of a database to eliminate redundancy, organize data efficiently and reduce repeating data and to reduce the potential for anomalies during data operations.

2. Ans. B.
Bus Topology is the simplest of **network topologies**. All the nodes are connected to the **single cable** by the help of **interface** connectors. This **central cable** is the backbone of **the network** and is known as **Bus**.

3. Ans. A.
By viewing the properties of the local hard disk of a computer, the user can find out both the used **amount of space** and the remaining **free space** on the disk.

4. Ans. C.
Email spam, also known as **junk email** or **unsolicited bulk email** (*UBE*), is a subset of electronic spam involving nearly identical messages sent to numerous recipients by email.

5. Ans. D.
A **Data diddling** (also called false **data** entry) occurs when someone with access to information of some sort changes this information before it is entered into a computer.

6. Ans. B.
Processing is an instance of a **computer program** that is being executed. It contains the program code and its current activity. Depending on the operating system (OS), a process may be made up of multiple threads of execution that execute instructions concurrently.

7. Ans. A.
Caps Lock key is refer to as a **toggle key** because its function goes back and forth every time it is pressed. **Caps Lock** is a button on **a keyboard** that changes if a letter should be capitalized or not.

8. Ans. D.
The first microprocessor called **Intel 4004** was developed by **American Intel Corporation in 1971**.
Microprocessors are used in the computers of **fourth generation computers**.
Personal microcomputers were possible due to the **microprocessors**.

9. Ans. B.
The control unit (CU) is a component of a computer's central processing unit (CPU) that directs the operation of the processor.

Note: It tells the computer's memory, arithmetic/logic unit and input and output devices how to respond to a program's instructions.

10. Ans. B.

F2: When you select a file and press the F2 key you can instantly rename the file without having to go through the context menu.

11. Ans. C.

Common number systems are Decimal, Binary, Octal, Hexadecimal, **Radix** sort is one of the linear sorting algorithms for integers.

12. Ans. D.

One-way authentication is based on

(i) Possession of a secret (password)

(ii) Possession of an artefact

(iii) Unique physiological or behavioural characteristics of the user.

Authenticationis the act of confirming the truth of an attribute of a single piece of data claimed true by an entity. With identification, which refers to the act of stating or otherwise indicating a claim purportedly attesting to a person or thing's identity, authentication is the process of actually confirming that identity.

13. Ans. D.

A **firewall policy** defines how an **organization's** firewalls should handle **inbound** and **outbound** network traffic for specific IP addresses and address ranges, protocols, applications, and content types based on the organization's information security policies.

14. Ans. B.

An **embedded compute**r is a computer that is integrated into other devices and is dedicated to the functions of that device. Also referred to as microcontrollers, embedded computers have been used in modern TV sets, motor vehicles, telephones, digital cameras, washing machines, microwaves and dishwashers.

Note: The embedded computer is devoted to performing specific tasks and is used in communication, entertainment, science and technology..

15. Ans. C.

In **conventional file system** the term field refers to the smallest item of data with some practical meaning i.e a field is used to capture some specific property of the object.

16. Ans. A.

Autocorrect is a feature in many **applications**, including **word processing programs**, spreadsheets and search engines that will **automatically detect** and correct **typos**, **misspelled** words and **incorrect** capitalization.

17. Ans. C.

A **network switch** is a computer networking device that connects devices together on a **computer network**, by using packet **switching to receive**, process and **forward data** to the destination device.

18. Ans. B.

The **control store** contains the set of micro-instructions that are used to execute all of the programs run that computer. The control store is referenced by the MPC (the micro-program counter) a device similar to a register.

The MPC stores the location of the microinstruction that is currently being executed.

Micro instruction is the most elementary instruction in the computer, such as moving the contents of a register to the arithmetic logic unit (ALU).

It takes several microinstructions to carry out one complex machine instruction (CISC).

19. Ans. D.

A **local area network** (LAN) is a computer network that **interconnects** computers within a **limited area** such as a residence, school, laboratory or office building.

20. Ans. B.

A red triangle in the upper-right corner of a cell indicates that a comment is in the cell. If you rest the mouse pointer over the triangle, you can view the text of the comment.

21. Ans. B.

Malicious software (malware) is any software that gives partial to full control of your computer to do whatever the malware creator wants. Malware can be a virus, worm, trojan, adware, spyware, rootkit, etc.

22. Ans. A.

A **flowchart** is a **picture** of the separate steps of a **process** in sequential order.

Note: Flowcharts can provide a step-by-step diagram for mapping out complex situations, such as programming code or troubleshooting problems with a computer.

23. Ans. E.

Data redundancy is the existence of data that is additional to the actual data and permits correction of errors in stored or transmitted data. The additional data can be simply a complete copy of the actual data, or only select pieces of data that allow detection of errors and reconstruction of lost or damaged data up to a certain level.

24. Ans. E.

A **software suite** is a collection of computer **programs** (usually application software or programming software) of related functionality, often sharing a

more-or-less common user interface and some ability to **smoothly exchange data** with each other.

25. Ans. B.

Transistors replaced vacuum tubes and ushered in the **second generation of computers**. The transistor was far superior to the **vacuum tube**, allowing computers to become **smaller**, faster, cheaper, more energy-efficient and more reliable than their **first-generation** predecessors.

26. Ans. B.

Half-duplex data transmission means that data can be transmitted in **both directions** on a signal carrier, **but not at the same time**.

27. Ans. C.

An **integrated development environment** (IDE) is a software application that provides comprehensive facilities to **computer programmers** for software development.

28. Ans. C.

• Actor Suriya (Soorarai Pottru) and Ajay Devgn (Tanhaji: The Unsung Warrior) have won the 68th National Film Awards 2022 for the best actor.

• Aparna Balamurali has been named as the best actor in the female category for her film 'Soorarai Pottru.'

• Best Feature Film: Soorarai Pottru

• Best Director: Sachidanandan KR, Ayyappanum Koshiyum

• Best Feature Film in Hindi: Toolsidas Junior

• Most Film-Friendly State: Madhya Pradesh

• Best Audiography: Dollu (Kannada)

29. Ans. D.

The first microprocessor called **Intel 4004** was developed by **American Intel Corporation in 1971**.

Microprocessors are used in the computers of **fourth generation computers**.

Personal microcomputers were possible due to the **microprocessors**.

30. Ans. A.

• The Nobel peace prize winner, former first minister of Northern Ireland, David Trimble has passed away at 77.

• He was also the Member of Parliament (MP) for Upper Bann from 1990 to 2005.

• He was known as the architect of the Good Friday Agreement in 1998, which ended the 30 years of disputes in Northern Ireland.

• In October 1998, John Hume and David Trimble were awarded the Nobel Peace Prize for their efforts to end the conflict in Northern Ireland.

31. Ans. C.

A **network switch** is a computer networking device that connects devices together on a **computer network**, by using packet **switching to receive**, process and **forward data** to the destination device.

32. Ans. D.

• Rajasthan Grameen Aajivika Vikas Parishad (RGAV) has signed an agreement with Stree Nidhi-Telangana to set up a financial institution for women in Rajasthan.

• Rajasthan Mahila Nidhi is being set up in Rajasthan on the lines of Telangana's Stree Nidhi model.

• Rajasthan's CM, Ashok Gehlot had announced the setting up a bank run by women in the state budget 2022-23.

• Women's economic empowerment would get a boost and they would be able to get loans for their enterprises.

33. Ans. D.

• The Reserve Bank of India (RBI) has allowed Piramal Enterprises to start their non-banking finance company (NBFC) business without accepting public deposits.

• The RBI has grant license under Section 45 IA of the Reserve Bank of India Act, 1934.

• The license was received by the Company on 26th July, 2022.

• Last year, the Piramal Enterprises board approved the demerger of its pharmaceuticals business and simplification of the corporate structure.

34. Ans. E.

• Kaushik Rajashekara has won the prestigious Global Energy Prize for outstanding contributions to transportation electrification and energy efficiency technologies while reducing power generation emissions.

• He is an Indian-origin professor of engineering at the University of Houston.

• Only three people in the world were selected for the honor this year out of a record 119 nominations from 43 countries.