OBJECTIVE TYPE TEST FOR THE POST OF
JUNIOR TECHNICAL ASSISTANT (IT) FOR CANSRU

I. GENERAL KNOWLEDGE

1. Which country won the FIFA World Cup in 2022?

    a) Germany

    b) Brazil

    c) Argentina

    d) France

2. Which of the following is not a Scandinavian country?

    a) Denmark

    b) Norway

    c) Sweden

    d) England

3. Which type of rock is formed by the cooling and solidification of magma?

    a) Sedimentary

    b) Igneous

    c) Metamorphic

    d) Fossilized

4. What is the primary greenhouse gas responsible for climate change?

    a) Methane

    b) Carbon dioxide

    c) Nitrous oxide

    d) Water vapor

5. Which country hosted the Summer Olympics in 2024?

    a) Tokyo

    b) Paris

    c) Los Angeles

    d) Beijing

II. REASONING

6. In a certain code, if "COLD" is coded as "DPME", how is "WARM" coded?

   a) XBSN

   b) XBRN

   c) XZQN

   d) XARN

7. What comes next in the series: 2, 5, 10, 17, 26, ...?

   a) 40

   b) 37

   c) 32

   d) 39

8. If South-East becomes North, North-East becomes West and so on. What will West become?

   a) North-East

   b) North-West

   c) South-East

   d) South-West

9. Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the man?

   a) Aunt

   b) Mother

   c) Sister

   d) Grandmother

10. Book is to Reading as Fork is to:

    a) Drawing

    b) Writing

    c) Stirring

    d) Eating

III. QUANTITATIVE APTITUDE

11. A man buys a watch for ₹500 and sells it for ₹600. What is the profit percentage?
    a) 10%
    b) 15%
    c) 20%
    d) 25%

12. A can do a job in 10 days, B in 15 days. How long will they take to do it together?
    a) 6 days
    b) 5 days
    c) 8 days
    d) 12 days

13. What is the simple interest on ₹1000 at 5% per annum for 3 years?
    a) ₹100
    b) ₹120
    c) ₹150
    d) ₹160

14. The average of 5 numbers is 20. What is their total sum?
    a) 50
    b) 100
    c) 120
    d) 100

15. A car travels 150 km in 3 hours. What is its average speed?
    a) 40 km/h
    b) 45 km/h
    c) 50 km/h
    d) 60 km/h

IV. GENERAL ENGLISH

16. They _____ her and trusted her for years
    a) know
    b) had known
    c) knew
    d) known

17. French people love cooking, _____ the English don't seem very interested.
    a) when
    b) whenever
    c) where
    d) whereas

18. "Have you been" more careful, the accident could have been averted.
    a) If you have been
    b) Had you been
    c) Have you been
    d) No correction is required

19. Choose the alternative which best expresses the meaning of the Idiom/Phrase.
    TO SMELL A RAT
    a) to be suspicious
    b) to chase a rat
    c) to see a rat
    d) to smell foul

20. Choose the correct Antonyms given and indicate your choice for the correct answer. <u>FASCINATING</u>

a) Clever

b) Uniform

c) Charming

d) Boring

V. SUBJECT BASED

21. What is the main function of DNS?

a) To assign IP addresses

b) To translate domain names to IP addresses

c) To secure data

d) To manage network traffic

22. Which protocol is used to transfer web pages?

a) FTP

b) HTTP

c) SMTP

d) SNMP

23. IP address 192 .10.10.10 belongs to which IP address catogory

a) Class A

b) Class B

c) Class C

d) Class D

24.   What type of cable is commonly used for Ethernet connections?

    a) Twisted pair cable

    b) Coaxial cable

    c) Fiber optic cable

    d) All of the them

25.   Which of the following devices is used to connect different networks?

    a) Switch

    b) Hub

    c) Repeater

    d) Router

26.   Which HTTP status code indicates a successful request?

    a) 200

    b) 404

    c) 500

    d) 403

27.   Which tag is used to insert an image in an HTML page?

    a) <image>

    b) <src>

    c) <pic>

    d) <img>

28.   What does CSS stand for?

    a) Colorful Style Sheets

    b) Cascading Style Sheets

    c) Computer Style Sheets

    d) None of these

29. What is the main function of a firewall?

a) To encrypt data

b) To speed up the network

c) To block unauthorized access to or from a private network

d) To manage database queries

30. Which of the following is a symmetric encryption algorithm?

a) RSA

b) ECC

c) DSA

d) AES

31. What does the term 'Phishing' refer to?

a) A type of encryption

b) A malware attack

c) Attempting to acquire sensitive information by pretending to be a trustworthy entity

d) A secure communication protocol

32. Which SQL clause is used to filter the results of a query?

a) WHERE

b) GROUP BY

c) HAVING

d) ORDER BY

33. Which of the following is a NoSQL database?

a) MySQL

b) PostgreSQL

c) Oracle

d) MongoDB

34. A _____ in SQL retrieves all records from the left table and the matching records from the right table, including NULL values for columns from the right table if no match is found

    a) INNER JOIN

    b) RIGHT OUTER JOIN

    c) RIGHT JOIN

    d) LEFT OUTER JOIN

35. Which of the following is an example of IoT?

    a) Laptop

    b) Smart Thermostat

    c) Desktop Computer

    d) Traditional Landline Phone

36. Which protocol is commonly used in IoT communication?

    a) MQTT

    b) SMTP

    c) FTP

    d) POP3

37. What is the primary advantage of cloud computing?

    a) High upfront costs

    b) Limited scalability

    c) Flexibility and scalability

    d) Manual data management

38. What does IIoT stand for?

    a) Instrumental Internet of Technology

    b) Industrial Internet of Things

    c) Instrumental Integrated Operations Tool

    d) Industrial Interface of Technology

39. Which of the following is used to improve CPU performance by reducing data access time?

a) Hard Disk Drive

b) RAM

c) Cache Memory

d) SSD

40. Which of the following is NOT an operating system?

a) Microsoft Office

b) Linux

c) Windows

d) macOS

41. Which of the following is not a valid IPV4 address?

a) 255.255.255.255

b) 192.168.1.1

c) 256.0.0.1

d) 10.0.0.5

42. Which of the following protocols are used for secure remote login to a device?

a) SMTP

b) FTP

c) HTTP

d) SSH

43. Which is the default port used for SMTP relay communication?

a) 80

b) 25

c) 443

d) 22

44. Which of the following logic gates in a digital system can be called an 'inverter'?

    a) OR

    b) AND

    c) NOT

    d) XOR

45. Which of the following logic gates can be called a universal gate?

    a) AND

    b) NAND

    c) OR

    d) NOT

46. In operating systems, the phenomenon of a process being continuously preempted for a resource because other priority processes keep consuming the resource is called?

    a) Starvation

    b) Paging

    c) Fragmentation

    d) Deadlock

47. Which among the following algorithms are used to avoid deadlock?

    a) First Come First Serve

    b) Round Robin

    c) Banker's Algorithm

    d) Shortest Job First

48. Which of the following is the correct HTML element for inserting a line break?

    a) <break>

    b) <b>

    c) <lb>

    d)

49. Which HTML tag is used to define a hyperlink?

    a) <a>

    b) <link>

    c) <tr>

    d) <url>

50. The process of fetching an instruction from memory, decoding it, and executing it is known as the?

    a) Data Path

    b) FDE cycle

    c) Memory cycle

    d) Decode cycle

51. A form of cyber-attack in which malicious client- side scripts are injected into trustworthy web pages is called?

    a) Spear Phishing

    b) Salami attack

    c) XSS attack

    d) Cryptojacking

52. Which of the following is an example of a stateless client-server protocol?

   a) FTP

   b) POP3

   c) SMTP

   d) HTTP

53. What is load balancing in a client-server architecture?

   a) Assigning single server to handle all requests

   b) increasing the number of clients in the network

   c) Managing data storage

   d) Performance optimization by distributing incoming requests across multiple servers

54. The 'I' in ACID properties stand for?

   a) Integrity

   b) Inheritance

   c) Isolation

   d) interoperability

55. Which among the following options is not an ERP?

   a) Ramco

   b) SAP

   c) Joget

   d) Sage X3

56. The condition where the CPU constanstly swaps data between physical and virtual memory resulting in performance degradation is called?

   a) Thrashing

   b) Page Fault

   c) Paging

   d) Racing

57. Which among the following can be considered as a feature of private cloud?

a) Multi-Tenancy is supported

b) Uses single occupant architecture and accessible only to authorized users

c) It has shared servers and data is stored in a shared but isolated environment

d) All the resources are available over public internet

58. Which among the LLM models are opensource?

a) GPT-4

b) Claude 3.5

c) Grok

d) Deepseek R1

59. What is referential integrity in DBMS?

a) Ensuring that relationships between tables are maintained

b) Ensuring that no duplicate data is present in the database

c) Ensuring that data is properly indexed

d) Ensuring that data is correct and consistent in a table

60. Which of the following is the main purpose of indexing in a database?

a) To reduce redundancy

b) To speed up data retrieval

c) To maintain referential integrity

d) To normalize data

61. Which among the following can be considered as functionality of a VAPT tool??

a) Identify the design flaws in the system

b) Identify functional flaws in the business process

c) Identify security loopholes within the system

d) Identify the aesthetic flaws in the system

62. Which among the following options correctly stands for RPA?

a) Robotic Programming Automation

b) Real-time Process Automation

c) Real-time Process Analysis

d) Robotic Process Automation

63. What is the main purpose of the LDAP protocol in security?

a) Encrypt web traffic

b) Directory access and authentication

c) Secure file transfer

d) Send mails in a secure manner with encryption

64. Which among the following can be considered as a primary function of Kerberos in network security?

a) Mail Sending

b) Monitor Network Traffic

c) Authenticate users and services

d) Provide firewall protection

65. Which among the following protocols secures communication between a web browser and a server?

a) SMTP

b) SSL/TLS

c) FTP

d) HTTP

66. What does "ERP customization" refer to?

    a) Modifying ERP software to suit specific business needs

    b) Adding more users to ERP

    c) Installing ERP on multiple computers

    d) Changing business processes to fit the ERP

67. In client-server architecture, the typical communication between client and server is ?

    a) Asynchronous

    b) Peer to Peer

    c) Request-Response

    d) Broadcast

68. Which of the following is the default file system used by modern Windows OS versions?

    a) FAT32

    b) EXT4

    c) exFAT

    d) NTFS

69. Which Windows feature provides access to system logs and error messages?

    a) Event Viewer

    b) Device Manager

    c) Resource Monitor

    d) Control Panel

70. Which JavaScript function is used to display a popup alert box?

    a) alertBox()

    b) alert()

    c) show()

    d) msg()

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