Accenture Technical Round

Common Applications & MS Office

1. Starting with Microsoft Office 2003, Photo Editor was renamed to:
   Answer: Picture Manager
2. Is Microsoft Works part of the Microsoft Office Suite?
   Answer: no
3. A feature of MS Office that saves the document automatically after a certain interval is called:
   Answer: FrontPage
4. Which feature is used to make the selected sentence in All Capital Letters or All Small Letters?
   Answer: Change Case
5. Which of these software applications was not part of the first version of Microsoft Office?
   Answer: Outlook
6. How would you insert the international character shown in the image given below?
   Answer: CTRL+SHIFT+ALT+?
7. When you activate the Mini Translator in MS Word, it will stay active until you deactivate it within the Translation menu. Also, when the Mini Translator is activated, the document will be sent to Microsoft Translator as you type. Are both statements correct?
   Answer: Both the statements are correct.
8. What can be done to stop Word's Numbering command from supplying automatic numbers to sequential paragraphs?
   Answer: Both I and II (Click the Numbering button again and Press the Enter key twice to stop numbering)

9. If there is any contextual error in the document, the text will be underlined with a green line in a word document. If there is any spelling error in the document, the text will be underlined with a blue line in a word document. If there is any grammatical error in the document, the text will be underlined with a red line in a word document. Are these statements correct?
   Answer: All statements are false.
10. Which of the following helps navigate from one slide to another slide in the same presentation and to a slide in another presentation?
    Answer: Hyperlink
11. Which of the following can be used to close a tab on a browser?
    Answer: Ctrl+W
12. In Excel, the notation “B8 : B10” indicates:
    Answer: all cells from B8 to B10
13. If a mail is accidentally deleted, which folder will save the mail?
    Answer: Trash
14. Which key is to be held down to select a word or phrase in MS Word?
    Answer: Shift
15. Which command will take you two steps backward from any particular directory?
    Answer: cd ../..
16. Which feature in MS Word allows you to find synonyms of a selected word?
    Answer: Thesaurus
17. What is the keyboard shortcut to save a document in MS Word?
    Answer: Ctrl+S
18. Which tab in MS Word contains the option to add a table?
    Answer: Insert
19. In Excel, what function is used to calculate the average of a range of cells?
    Answer: AVERAGE
20. What is the default file extension for a Word document in Office 2007 and later?
    Answer: .docx

21. How can you quickly copy formatting from one cell to another in Excel?
    Answer: Format Painter
22. Which feature in PowerPoint allows you to add movement to text and objects?
    Answer: Animations
23. What is the shortcut key for undoing an action in MS Office?
    Answer: Ctrl+Z
24. In Outlook, which feature allows you to set an automatic reply when you are out of the office?
    Answer: Out of Office Assistant
25. What is the shortcut key to open a new document in MS Word?
    Answer: Ctrl+N
26. In Excel, what function is used to sum a range of cells?
    Answer: SUM
27. What is the feature in MS Word that corrects common typing errors as you type?
    Answer: AutoCorrect
28. Which tab in PowerPoint contains the option to insert a new slide?
    Answer: Home
29. In Excel, what is the function of the Fill Handle?
    Answer: To copy data or formulas to adjacent cells
30. What is the keyboard shortcut to select all content in a document?
    Answer: Ctrl+A
31. In Outlook, which folder contains emails that have been marked as junk mail?
    Answer: Spam
32. What is the default file extension for an Excel workbook in Office 2007 and later?
    Answer: .xlsx
33. In MS Word, what feature allows you to track changes made to a document?
    Answer: Track Changes

34. Which feature in Excel allows you to create a graphical representation of data?
    Answer: Charts
35. What is the shortcut key to paste copied content in MS Office?
    Answer: Ctrl+V
36. In PowerPoint, what feature allows you to add sound effects to your presentation?
    Answer: Audio
37. In MS Word, what is the shortcut key to print a document?
    Answer: Ctrl+P
38. Which tab in Excel contains the option to insert a chart?
    Answer: Insert
39. In Outlook, what is the feature that helps manage emails by filtering and sorting them?
    Answer: Rules
40. What is the default file extension for a PowerPoint presentation in Office 2007 and later?
    Answer: .pptx
41. In Excel, what feature allows you to quickly apply a set of formatting choices?
    Answer: Cell Styles
42. What is the shortcut key to open the Find dialog box in MS Word?
    Answer: Ctrl+F
43. In PowerPoint, what is the feature that allows you to create a sequence of slides that run automatically?
    Answer: Slide Show
44. In Excel, what function is used to find the highest value in a range of cells?
    Answer: MAX
45. What is the shortcut key to redo an action in MS Office?
    Answer: Ctrl+Y

Networking, Security, and Cloud

Basics of Networking

1. **Question:** What is the primary function of a router in a network?

   Answer: To forward data packets between computer networks.

2. **Question:** What protocol is used for secure data transmission over the internet?

   Answer: HTTPS (HyperText Transfer Protocol Secure)

Network Security

1. **Question:** What is a firewall's main purpose?

   Answer: To block unauthorized access while permitting outward communication.

2. **Question:** Which security method encrypts data to prevent unauthorized access?

   Answer: Encryption

Encryption standards & Algorithms

1. **Question:** What does AES stand for in encryption?

   Answer: Advanced Encryption Standard

2. **Question:** Which encryption algorithm uses a 56-bit key?

   Answer: DES (Data Encryption Standard)

Network security devices

1. **Question:** What type of device is a UTM?

Answer: Unified Threat Management device

2. **Question:** Which device inspects incoming and outgoing network traffic and decides whether to allow or block specific traffic based on a defined set of security rules?

   Answer: Firewall

Attack types

1. **Question:** What is a DDoS attack?

   Answer: Distributed Denial of Service attack

2. **Question:** Which attack involves sending unsolicited bulk messages?

   Answer: Spam

3. **Question:** What is phishing?

   Answer: A technique to gain personal information for identity theft, using fraudulent emails.

Firewalls

1. **Question:** What is a stateful firewall?

   Answer: A firewall that monitors the state of active connections and determines which network packets to allow through the firewall.

2. **Question:** What is a packet-filtering firewall?

   Answer: A firewall that filters traffic by examining the header of each packet.

Cloud Syllabus

Fundamentals of Cloud Computing

1. **Question:** What is cloud computing?

Answer: The delivery of computing services over the internet.

2. **Question:** What does IaaS stand for?

   Answer: Infrastructure as a Service

Client server architecture

1. **Question:** What is the primary role of a client in a client-server architecture?

   Answer: To request services from a server.

2. **Question:** What is a server?

   Answer: A computer or system that provides resources, data, services, or programs to other computers, known as clients, over a network.

Cloud data centers

1. **Question:** What is a cloud data center?

   Answer: A facility used to house computer systems and associated components for cloud computing.

2. **Question:** What is a key advantage of using cloud data centers?

   Answer: Scalability and flexibility in resource management.

Cloud service providers

1. **Question:** Name a popular cloud service provider.

   Answer: AWS (Amazon Web Services)

2. **Question:** What is the primary service offered by Google Cloud?

   Answer: Cloud computing services.

Cloud Service Platforms

1. **Question:** What is Microsoft Azure primarily known for?

   Answer: Providing a range of cloud services including analytics, storage, and networking.

2. **Question:** Which cloud platform is known for its extensive machine learning services?

   Answer: Google Cloud Platform

3. **Question:** What does PaaS stand for?

   Answer: Platform as a Service

4. **Question:** Which cloud service model provides on-demand software applications?

   Answer: SaaS (Software as a Service)

Additional Network Security Questions

1. **Question:** What is the function of a VPN?

   Answer: To create a secure connection over a less secure network.

2. **Question:** Which protocol is used to ensure secure remote login?

   Answer: SSH (Secure Shell)

3. **Question:** What does IDS stand for in network security?

   Answer: Intrusion Detection System

Additional Cloud Questions

1. **Question:** What is the main benefit of cloud elasticity?

   Answer: The ability to scale computing resources up or down as needed.

2. **Question:** What does hybrid cloud refer to?

Answer: A combination of private and public cloud environments.

3. **Question:** What is cloud migration?

   Answer: The process of moving data, applications, or other business elements to a cloud computing environment.

4. **Question:** Which cloud service provider is known for its simple storage service (S3)?

   Answer: AWS (Amazon Web Services)

Specific Questions

1. **Question:** What command allows you to determine whether an IP access list is enabled on a particular interface?

   Answer: show ip interface

2. **Question:** What router command will permit SMTP mail to only host 1.1.1.1?

   Answer: access-list 110 permit tcp any host 1.1.1.1 eq smtp

3. **Question:** What type of network security device scans for viruses and malware?

   Answer: Antivirus scanning devices

4. **Question:** Which cloud service provider should be chosen for extensive support of Linux, Windows Server, and SQL Server?

   Answer: Azure

5. **Question:** How can you stop automatic numbering in MS Word?

   Answer: Press the Enter key twice or click the Numbering button again.

6. **Question:** Which key combination is used to select a word or phrase in MS Word?

Answer: Shift

7. **Question:** What is the shortcut key to open the Find dialog box in MS Word?

   Answer: Ctrl+F

8. **Question:** How would you close a tab in a browser?

   Answer: Ctrl+W

9. **Question:** In Excel, what function finds the highest value in a range of cells?

   Answer: MAX

10. **Question:** Which command takes you two steps backward from any particular directory in the command prompt?

    Answer: cd ../..

11. **Question:** What does a green underline in MS Word signify?

    Answer: Contextual error

12. **Question:** Which Excel feature quickly applies a set of formatting choices to a range of cells?

    Answer: Cell Styles

13. **Question:** In a network, what attack involves forging an IP address to impersonate another device?

    Answer: Spoofing

Pseudo Code

Programming Fundamentals

1. **Q:** What will be the output of the following pseudocode?

```
Integer x
Set x = 5
x = x + 5
Print x
```

Answer: 10

Explanation: The value of `x` is initially set to 5, then increased by 5, resulting in 10.

2. **Q:** What does the following pseudocode do?

```
Integer x
Set x = 10
Print x
```

Answer: It prints the value 10.

Explanation: The pseudocode sets the variable `x` to 10 and then prints it.

Looping

1. **Q:** What will be the output of the following pseudocode?

```
Integer i
for(i = 0 to 4)
Print "Hello"
end for
```

Answer: "Hello" is printed 5 times.

Explanation: The loop runs from 0 to 4, executing 5 iterations.

2. **Q:** What is the value of `sum` after executing the following pseudocode?

```
Integer i, sum
Set sum = 0
```

```
for(i = 1 to 5)
sum = sum + i
end for
```

Answer: 15

Explanation: The loop calculates the sum of integers from 1 to 5.

Arrays

1. **Q:** What will be the output of the following pseudocode?

```
Integer arr[3] = {2, 4, 6}
Print arr[1]
```

Answer: 4

Explanation: Arrays are zero-indexed, so `arr[1]` accesses the second element.

2. **Q:** What is the value of `arr[2]` after the following operations?

```
Integer arr[3] = {1, 2, 3}
arr[2] = arr[0] + arr[1]
```

Answer: 3

Explanation: `arr[0]` is 1 and `arr[1]` is 2, so `arr[2]` becomes 3.

Recursion

1. **Q:** What will be the output of the following pseudocode when `fun(2)` is called?

```
Integer fun(Integer n)
if (n <= 0) return 1
return n * fun(n - 1)
```

Answer: 2

Explanation: The function calculates the factorial of `n`. For `n = 2`, it returns `2 * fun(1)` which results in 2.

2. **Q:** What does the following pseudocode do?

```
Integer fun(Integer n)
if (n == 0) return 1
else return n + fun(n - 1)
```

Answer: Computes the sum of integers from `n` to 1.

Explanation: This recursive function adds the current `n` to the result of `fun(n-1)` until `n` is 0.

Functions

1. **Q:** What is the result of the following pseudocode when `compute(2)` is called?

```
Integer compute(Integer x)
return x * x
```

Answer: 4

Explanation: The function `compute` squares the input value.

2. **Q:** What does the following pseudocode return when `add(3, 4)` is called?

```
Integer add(Integer a, Integer b)
return a + b
```

Answer: 7

Explanation: The function adds the two input values.

Bitwise Operators

1. **Q:** What will be the value of the following pseudocode?

```
Integer a = 5, b = 3
Print a & b
```

Answer: 1

Explanation: The bitwise AND of 5 (0101) and 3 (0011) is 1 (0001).

2. **Q:** What will be the output of the following pseudocode?

```
Integer x = 8
x = x << 1
Print x
```

Answer: 16

Explanation: The bitwise left shift operation `<<` moves all bits in `x` one place to the left, doubling the value.

Increment & Decrement Operators

1. **Q:** What will be the value of `y` after the following pseudocode?

```
Integer x = 5, y
y = ++x
```

Answer: 6

Explanation: The pre-increment operator `++x` increases `x` by 1 before assigning it to `y`.

2. **Q:** What is the value of `z` after the following pseudocode?

```
Integer z = 10
z--
Print z
```

Answer: 9

Explanation: The post-decrement operator `z--` decreases `z` by 1 after its current value is used.

Conditional Statements

1. **Q:** What will be the output of the following pseudocode?

```
Integer a = 10, b = 20
if (a > b)
Print "a is greater"
else
Print "b is greater"
```

Answer: "b is greater"

Explanation: Since `a` is not greater than `b`, the `else` block is executed.

2. **Q:** What does the following pseudocode do?

```
Integer n = 15
if (n % 2 == 0)
Print "Even"
else
Print "Odd"
```

Answer: Prints "Odd"

Explanation: The code checks if `n` is even or odd and prints the appropriate message. Since 15 is odd, "Odd" is printed.

Basics of Data Structures

1. **Q:** What does the following pseudocode do?

```
Stack s
s.push(10)
s.push(20)
s.pop()
```

Answer: Pushes 10 and 20 onto the stack, then pops 20.

Explanation: Stack operations follow Last-In-First-Out (LIFO) principle. After the `pop`, the stack contains only 10.

2. **Q:** How many elements are in the stack after executing the following pseudocode?

```
Stack s
s.push(1)
s.push(2)
s.pop()
s.push(3)
```

Answer: 2

Explanation: The stack contains the elements 1 and 3 after the operations.

Additional Questions

1. **Q:** What will be the value of the following pseudocode?

```
Integer x = 7
Print x % 3
```

Answer: 1

Explanation: The modulo operator `%` returns the remainder of the division of `x` by 3.

2. **Q:** What will the following pseudocode output if `n = 5`?

```
Integer n
Print n * (n - 1)
```

Answer: 20

Explanation: The expression `n * (n - 1)` calculates the product of `n` and `n - 1`.

3. **Q:** What will the following pseudocode output?

```
Integer x = 4, y = 5
if (x == y)
Print "Equal"
```

```
else
Print "Not Equal"
```

Answer: "Not Equal"

Explanation: Since `x` is not equal to `y`, "Not Equal" is printed.

4. **Q:** What will be the output of the following pseudocode?

```
Integer i
for(i = 0 to 2)
Print "A"
end for
```

Answer: "A" is printed 3 times.

Explanation: The loop runs 3 times (i = 0, 1, 2), printing "A" each time.

5. **Q:** What will be the output of the following pseudocode?

```
Integer arr[5] = {1, 2, 3, 4, 5}
Integer i, sum = 0
for(i = 0 to 4)
sum = sum + arr[i]
end for
Print sum
```

Answer: 15

Explanation: The code calculates the sum of the array elements.

6. **Q:** What will be the output of the following pseudocode?

```
Integer x = 0
while (x < 3)
x = x + 1
Print x
```

Answer: 1 2 3

Explanation: The while loop increments `x` and prints it until `x` is no longer less than 3.

7. **Q:** What will be the output of the following pseudocode?

```
Integer a = 5
Integer b = a * a
Print
```

b
```

```
**Answer:** 25

**Explanation:** The code calculates the square of `a` and assigns it to `b`.
```

1. **Q:** What will be the output of the following pseudocode?

```
Integer x = 3, y = 4
if (x < y)
Print x
else
Print y
```

Answer: 3

Explanation: Since `x` is less than `y`, the code prints `x`.

2. **Q:** What does the following pseudocode do?

```
Integer arr[3] = {10, 20, 30}
Integer i, sum = 0
for(i = 0 to 2)
sum = sum + arr[i]
```
```

```
end for
Print sum
```

Answer: Prints the sum of the array elements, which is 60.

Explanation: The loop iterates through the array, adding each element to `sum`.

3. **Q:** What is the result of the following pseudocode?

```
Integer x = 4
x = x << 2
Print x
```

Answer: 16

Explanation: Left shifting `x` by 2 bits is equivalent to multiplying by 4.

4. **Q:** What does the following pseudocode print?

```
Integer x = 5
x += 2
Print x
```

Answer: 7

Explanation: The `+=` operator increments `x` by 2.

5. **Q:** What will the following pseudocode output?

```
Integer x = 7
if (x % 2 == 0)
Print "Even"
else
Print "Odd"
```

Answer: "Odd"

Explanation: The code checks if `x` is even or odd and prints the appropriate message.

6. **Q:** What does the following pseudocode do?

```
Integer x = 3
Print x * 2
```

Answer: Prints 6

Explanation: The code multiplies `x` by 2 and prints the result.

7. **Q:** What will the following pseudocode output?

```
Integer x = 1
while (x <= 5)
Print x
x = x + 1
```

Answer: 1 2 3 4 5

Explanation: The loop prints the values of `x` from 1 to 5.

8. **Q:** What is the value of `z` after the following pseudocode?

```
Integer x = 2, y = 3, z
z = x * y
```

Answer: 6

Explanation: The code multiplies `x` and `y` and assigns the result to `z`.

9. **Q:** What will the following pseudocode output?

```
Integer arr[3] = {1, 2, 3}
Integer i
for(i = 0 to 2)
Print arr[i]
```

Answer: 1 2 3

Explanation: The loop iterates through the array, printing each element.

10. **Q:** What does the following pseudocode do?

```
Integer x = 10, y = 20
if (x < y)
Print x
else
Print y
```

Answer: Prints 10

Explanation: Since `x` is less than `y`, the code prints `x`.

11. **Q:** What will the following pseudocode output?

```
Integer x = 2
x *= 3
Print x
```

Answer: 6

Explanation: The `*=` operator multiplies `x` by 3.

12. **Q:** What does the following pseudocode do?

```
Integer x = 7, y = 5
Integer z = x - y
Print z
```

Answer: Prints 2

Explanation: The code subtracts `y` from `x` and prints the result.

13. **Q:** What will the following pseudocode output?

```
Integer x = 6
if (x > 5)
Print "Greater than 5"
else
Print "Not greater than 5"
```

Answer: "Greater than 5"

Explanation: Since `x` is greater than 5, the code prints "Greater than 5".

14. **Q:** What does the following pseudocode do?

```
Integer x = 1
while (x <= 3)
Print x
x = x + 1
```

Answer: Prints 1 2 3

Explanation: The loop prints the values of `x` from 1 to 3.

15. **Q:** What will the following pseudocode output?

```
Integer x = 10
Print x / 2
```

Answer: 5

Explanation: The code divides `x` by 2 and prints the result.

16. **Q:** What is the result of the following pseudocode?

```
Integer x = 4, y = 3
Integer z = x % y
Print z
```

Answer: 1

Explanation: The modulo operator `%` returns the remainder of `x` divided by `y`.

17. **Q:** What will the following pseudocode output?

```
Integer x = 2, y = 3
if (x == y)
Print "Equal"
```

```
else
Print "Not Equal"
```

Answer: "Not Equal"

Explanation: Since `x` is not equal to `y`, the code prints "Not Equal".

18. **Q:** What does the following pseudocode do?

```
Integer x = 3
Print x * 2 + 1
```

Answer: Prints 7

Explanation: The code multiplies `x` by 2 and adds 1, then prints the result.

19. **Q:** What will the following pseudocode output?

```
Integer x = 5
if (x < 10)
Print "Less than 10"
else
Print "10 or more"
```

Answer: "Less than 10"

Explanation: Since `x` is less than 10, the code prints "Less than 10".

20. **Q:** What does the following pseudocode do?

```
Integer x = 10
x = x / 2
Print x
```

Answer: Prints 5

Explanation: The code divides `x` by 2 and prints the result.