

## Plus one Computer Application Commerce Model Question Paper 2023

### Part A

Answer any 5 questions from 1 to 6. Each question carries 1 score each.

1. Processed form of data is \_\_\_\_\_.
2. Expand USB.
3. Conditional Operator is used instead of \_\_\_\_\_.
4. The keyword \_\_\_\_\_ is used to create symbolic constants in CPP.
5. MAC address is a unique ID assigned to the \_\_\_\_\_ of a machine.  
(NIC, ROM, Motherboard, CPU)
6. Choose the odd one  
Google, Internet Explorer, Mozilla Firefox, Opera

### Part B

Answer any 9 questions from 7 to 18. Each question carries 2 score each.

7. Write down the advantages of computer.
8. What are the functions of Operating System.
9. Draw the flowchart for the given algorithm.  
Step 1: Start  
Step 2: Input A,B,C  
Step 3: Sum = A+B+C  
Step 4: Average = Sum/3  
Step 5: Print Sum, Average  
Step 6: Stop
10. Classify the following Tokens.  
int ; "abc" cin
11. Explain cascading of I/O operators with an example.
12. Differentiate a=10 and a==10.
13. Explain the type modifiers in CPP.
14. Name the elements of loops.
15. List any 4 advantages of computer network.
16. What is the importance of TCP/IP protocol in computer Network.
17. Differentiate Hub and Switch.
18. List the types of interactions in e Governance.

### Part C

Answer any 9 questions from 19 to 29. Each carries 3 score

19. Compare impact and non-impact printers. Give an example each.
20. List the phases in programming.
21. What are the different types of errors in programming.
22. Explain the rules for forming identifiers.
23. What are Statements in C++? Explain any two.
24. Explain type conversions with an example.
25. Rewrite the following using while loop  
for(i=1;i<10;i++)  
cout<<i;  
cout<<"Hello";
26. a) Identify the network topology in which all nodes are directly connected to a hub or switch.  
b) Write any two characteristics of this topology.
27. List and explain any 3 network attacks.
28. Explain any 3 services on Internet.

29. Define e-learning. List any 2 e-learning tools.

#### Part D

Answer any 2 questions from 30 to 32. Each carries 5 scores.

30. a) Explain 1's Complement representation. Represent -37 in 1's Complement form. (3)

b) Differentiate ASCII and Unicode. (2)

31. Define e-waste. Explain e-waste disposal methods.

32. Consider the following code

```
for(i=1;i<=5;i++) cout<<i*5<<"\n";
```

a) Mark the four components of loop. (1)

b) Write the output of above code. (2)

c) Modify the above code to print the multiplication of 10. (2)