

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

(5×1=5)

1. The brain of computer is _____
2. Write an example for an operating system.
3. _____ are the fundamental building blocks of a program.
4. Preprocessor directives should start with symbol _____
5. A device that amplifies the incoming signals and retransmits to the destination is called _____
6. Write the name of a search engine.

Answer any 9 questions from 7 to 18. Each carries 2 scores.

(9×2=18)

7. Write the names of any two number systems. Also write their base.
8. Write short note on ASCII.
9. List any four input devices.
10. Write short notes on the following :
 - a) Coding (1)
 - b) Translation. (1)
11. What is the difference between 'a' and "a" in C++ ?
12. What is IDE ? Give an example for IDE.
13. What is meant by unary operator ? Give one example.



14. Write two C++ statements, to increment the value of an integer variable i by 1.
15. Rewrite the following statement using while loop :
- ```
for(i=1;i<=100;i++)
{
cout<<i;
}
```
16. Write short notes on :
- a) FTP (1)
  - b) DNS (1)
17. Draw diagrams of any two topologies.
18. Give any two benefits of e-Governance.

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

(9×3=27)

19. Draw the functional block diagram of a computer.
20. Compare RAM and ROM.
21. Identify the type of error in the following situations :
- a) Rules of programming language are not followed. (1)
  - b) Instead of '+' operator, '-' operator is used. (1)
  - c) User entered the value 0 for variable c in the statement a=b/c; (1)
22. Draw any three flowchart symbols. Write their use also.
23. Explain cascading of input and output operators. Give one example each.



Score

24. Explain any three fundamental datatypes in C++.
25. a) What is type conversion ? (1)  
b) Which are two types of type conversions in C++ ? (2)
26. Write a C++ program to input three integer numbers and to display the sum and average of them.
27. Explain any three common threats that affect a computer network.
28. Write the 3 advantages of e-mail.
29. List the names of any three e-learning tools.

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

(2×5=10)

30. a) What is the use of Language processor in a computer ? (2)  
b) Explain the three types of language processors. (3)
31. a) What are the 4 components of a loop ? (2)  
b) Differentiate between Entry controlled loop and Exit controlled loop. (3)
32. a) Write the use of Modem. (1)  
b) \_\_\_\_\_ is a unique address assigned to each NIC. (1)  
c) List the advantages of Computer network. (3)
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