

Sample Paper – 2010
Class – XI
Subject – Computer Science

[Operating systems, programming methodology, Fundamentals of C ++, I/O in C++, Operators & Expression, Control Statements]

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|---|---|
| 1. What is an operating system? Give few o/s available. | 1 |
| 2. What is a compiler? | 1 |
| 3. What is a file? | 1 |
| 4. Define a Process. | 1 |
| 5. What is FIFO? | 1 |
| 6. Define lexical. List few with examples. | 1 |
| 7. Name three types of debugging errors. | 1 |
| 8. Who developed the C ++ Programming language? | 1 |
| 9. List any four internal Dos commands. | 1 |
| 10. What is a class? Give one example. | 1 |
| 11. What is the difference between 'x' and "x" in c++? | 2 |
| 12. What are Variables? Give examples using data types. | 2 |
| 13. What is the difference between int and float data type? | 2 |
| 14. What are the uses of these punctuators { } , ; [] ? | 2 |
| 15. Define a stream and insertion operator in C++. | 2 |
| 16. What is # include directive? What happens if <i>iostream.h</i> is not included in a program ? | 2 |
| 17. What will be the output of the following program? | 2 |
| <pre># include <iostream.h> int i=20; void main() { int i=7; cout<< i<< " " << : : i << endl; }</pre> | |
| 18. How will you include comments in c++? How many types of comments are there in c++ language? | 2 |
| 19. What are Unary and Binary operators? Give example | 2 |
| 20. What is the difference between num=10; and num==10;? What is an assignment operator? | 2 |
| 21. Write a program to enter marks in three subjects and calculate total and assign grade 'A' if total is > =200 else assign grade 'B' . | 3 |
| 22. What are the sequence, iteration & Selection construct in c++? What are the purpose of loops in c++ ? | 3 |
| 23. What is difference between logical & syntax errors? Give their examples | 3 |

24. What is the difference between return () and exit () statement? 3
 25. What is the difference between break and continue statement? 3
 26. Write a program to find factorial of a number using While loop. 4
 27. Find the syntax errors, if any in the following: 4

```

    main()
{
    int r w =90;
    while(w>60);
    {
    r=w-50;
    switch(w)
{
    20: cout<< "lower range" <<endl
    30: cout<<" middle range"<< endl;
}
}
}

```

28. Describe switch statements .What is the difference between *if* and *switch* statements. 4
 29. Write a *for* loop which will produce the following output. 4

```

1
2 2
3 3 3
4 4 4 4
5 5 5 5 5

```

30. a) . Explain local and global identifiers in a c++ program. 3
 b) . What is a logical operator? Give examples. 2
 31. a) . Define arrays and pointers with simple expression. 2
 b) . Define the terms Polymorphism & Inheritance. 2

Paper Submitted By:

Name Arundhati

Email arunalokesh30@gmail.com