STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15BI/PC/CP14

M. Sc. DEGREE EXAMINATION, NOVEMBER 2017
BIOINFORMATICS
FIRST SEMESTER

COURSE : CORE
PAPER : PROGRAMMING IN C++
TIME : 90 MINUTES **MAX. MARKS: 50**

SECTION A

ANSWER ALL QUESTIONS **(30 X 1 = 30)**

1. The wrapping up of data and functions into a single unit is called _____.
2. A function contained within a class is called a _____
3. What is Abstract Data Type?
4. Write the tokens used in C++.
5. What are the data types in C++?
6. The _____ operator is used to create objects of any type.
7. Define Friend function.
8. What is Multiple Inheritance?
9. What is Programming?
10. Data Members in a class must be declared _____.
11. The _____ statement is used to exit from all the nested loops.
12. Using a keyword _____ we can create new operators in C++.
13. What is the difference between Structure and an Array
14. What is Dynamic Binding?
15. Define Operator Overloading.
16. Name any 2 functions supported by string class.
17. What is an Exception?
18. Write the Exception Handling Mechanisms.
19. What is a Manipulator?
20. Define Stream Classes.
21. What are the 2 types of Polymorphism?
22. The pointers which are not initialized in a program are called _____.
23. C++ allows pointers to perform the arithmetic operation such as increment (++) or decrement (--) – True or False?
24. Write down the operators that cannot be overloaded.
25. What is Constructor?
26. _____ is visible only within the class, but its lifetime is the entire program.
27. What are the common manipulators used in C++?
28. What are the operators used in C++?
29. Insulation of data from direct access by the program is called _____.
30. A _____ statement supplies a value from the called function to the calling function.

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SECTION B

ANSWER ANY 2 QUESTIONS (2 x 10 = 20)

31. Write in detail about the basic concepts used in Object Oriented Programming.
32. Write in detail about the control structures in C++.
33. What is Inheritance? Discuss about the various forms of Inheritance.
34. Write short notes on a) Constructor b) Destructor c) Friend Function.

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