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SVS 325 B-2K13

B.Sc. Vth Semester Degree Examination

Computer Science

(oop with C++)

Paper - CS - 502

Time : 3 Hours

Maximum Marks : 80

Section - A

I Answer all questions.

(15×1=15)

1. What is string constant?
2. Define polymorphism
3. What is linkage directive?
4. Define string.
5. What is const qualifier?
6. What is operator overloading?
7. Write a syntax of Class Template.
8. What do you mean by class initialization?
9. Write one difference between base class and derived class.
10. Define a statement
11. Which is exist controlled loop.
12. _____ is the entry controlled control structure.
13. What is function?
14. Define Register automatic objects.
15. What is a scope?

Section - B

II Answer any **five** questions

(5×5=25)

16. Differentiate between static binding and dynamic binding.
17. Explain the components of a C++ program.
18. Explain the meaning of the following.
 - a) `int *iptr = &x`
 - b) `float * fptr = &fvar`
19. Write a C++ program to find N fibonacci number
20. Explain the different situation that you encounter when a function is declared more than once in the same scope?
21. What is a function template? Explain.
22. Give the salient features of a destructor.

Section - C

III Answer any **four** questions.

(4×10=40)

23. What are the features of oop? Explain.
24. Write a C++ program to implement overriding method
25. Write a note on
 - a) Inline function
 - b) Linkage directives
26. Differentiate between
 - a) Automatic objects and register objects
 - b) Automatic objects and static objects.
27. Explain the templates compilation models with an example.
28. Explain the various steps involved in Object oriented Analysis.