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SVS 343 B-2K12

B.Sc. Vth Semester Degree Examination

Computer Science

OOP with C++

Paper - CS-502

Time : 3 Hours

Maximum Marks : 80

Section - A

L Answer all the following questions

(15×1=15)

- 1) What is class?
- 2) Abbreviate POP.
- 3) Define inheritance
- 4) What is expression
- 5) What are the types of literal constants?
- 6) Why we need constructor?
- 7) What is data member?
- 8) What is virtual base class?
- 9) Define the term polymorphism
- 10) What is operator overloading?
- 11) Write the syntax of class template
- 12) List the operators which cannot be over loaded
- 13) Mention the different member access specifier
- 14) Explain insertion and extraction operations
- 15) List the different object oriented languages.

Section - B

(5×5=25)

II. Answer any **five** questions.

- 16) Explain the structure of C++ program.
- 17) What are the benefits of OOPS.
- 18) How do you distinguish between input stream and output stream?
- 19) What are the types of control statements? Explain any one with example
- 20) Write a C++ program to illustrate reference variable
- 21) What is function? What are the advantages of function?
- 22) What is destructor? What are the salient features of destructor? Give example.

Section - C

(4×10=40)

III. Answer any **four** questions.

- 23) Name the components of class and explain with an example.
 - 24) Explain the looping structures in C++
 - 25) Write a C++ program to illustrate the (any) operator overloading.
 - 26) Differentiate between the following
 - i) Single inheritance and multiple inheritance
 - ii) Multilevel inheritance and hierarchical inheritance
 - 27) Explain the various steps involved in object oriented Analysis.
 - 28) Write a note on
 - i) Exception
 - ii) STL
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