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**SVS 327 B-15**  
**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** the following questions:

**(15×1=15)**

1. Expand OOD and OOA.
2. Define dynamic binding.
3. Who developed C++?
4. Define expression.
5. List the data types used in C++.
6. Write the syntax for while and do while statement.
7. Write a syntax for accessing a class members through object.
8. What is reference variable?
9. Define operator overloading.
10. What is destructor?
11. Define data member and member function?
12. What is stream?

13. :: this operator is called as \_\_\_\_\_
14. Define this pointer.
15. Define exception.

### SECTION - B

**II** Answer any **Five** questions.

**(5×5=25)**

16. Explain any five concepts of OOP's.
17. Explain structure of C++ program.
18. What is looping? Explain any one looping statement with example.
19. Explain C++ tokens.
20. What is parameterized constructor? Write a C++ program to illustrate parameterized constructor.
21. Define inheritance? Write a C++ program to illustrate multiple inheritance.
22. Explain exception handling mechanism.

### SECTION - C

**III** Answer any **Four** questions:

**(4×10=40)**

23. Explain Benefits and application of OOP's.
24. Explain the declaration of member function outside and inside the class with an example.
25. What is class template? Write a C++ program to find the minimum of two numbers of type int, float, double.
26. What is polymorphism? Write C++ program to illustrate run-time polymorphism.

27. Explain steps in object oriented analysis.

28. Write a note on:

- a) STL
- b) Manipulators.
- c) This pointer
- d) Abstract class.