



Sri Chandrasekharendra Saraswathi Viswa Maha Vidyalaya
(Deemed to be University u/s 3 of the UGC Act 1956)

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS
MODEL QUESTION PAPER - DEC 2025

SUB. NAME : Object Oriented Programming with C++
SUB.CODE : UCYF231T30
MARKS : 100

SEM : I
COURSE : I BSc (Cy)
DURATION : 3 Hrs

Section A: ANSWER ALL THE QUESTIONS

(10 x 2 = 20 marks)

1. Define function and its types with examples
2. Discuss the difference between Pre/Post increment operator with examples
3. Explain different types of comment statements and its purpose
4. Discuss about escape characters and format specifiers with example snippet
5. Define Static and Dynamic Polymorphism
6. Define Simple and Multi-Level Inheritance
7. Explain different File Stream Modes
8. List and write about any two File read, write library functions
9. Explain the use of *(Asterisk) and '&' operators related to Pointers
10. Write and explain syntax of any two conditional control statements

Section B: ANSWER ANY FIVE QUESTIONS

(5 x 7 = 35 marks)

11. Compare and Explain the syntax of do loop and while loop with an example snippet
12. Write about header files and its types with an executable program
13. Explain functional overloading and overriding with an example program
14. Explain the use of Inline Function with Syntax and example
15. Explain the use of Friend Function with Syntax and example
16. Discuss the difference between multiple and multi-level inheritance
17. Explain the steps involved in reading a text file with example
18. Explain the use of Pointers with an example

Section C: ANSWER ANY THREE QUESTIONS

(3 x 15 = 45 marks)

19. (a) Explain the use of arrays with an example program to list food menu items name in a restaurant (8)
(b) What is the use of structures, Explain with an example (7)
20. Compare and Explain switch-case and if-else-if to check keyed user input is Vowel or Consonants
21. Explain various parts of Functions with your own User-Defined function and any two built-in functions
22. Write a program to copy source text file contents to destination file with appropriate comments
23. Create and Explain employee class object to explain the behavior of default and custom Constructors
