

F-5069

Sub. Code

7BCEA4

**U.G. DEGREE EXAMINATION, APRIL 2021 &
Supplementary/Improvement/Arrear Examinations**

Computer Science

Allied – PROGRAMMING IN C++

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 60 Marks

Part A

(10 × 1.5 = 15)

Answer **all** questions.

1. What is identifier?
2. What are Basic Data types?
3. How is memory allocated for static members?
4. Define constructor.
5. What is Operator overloading?
6. What are the operators can not be overloaded?
7. What is 'this' pointer?
8. What is virtual function?
9. What are different file modes?
10. What is sequential file?

Part B

(5 × 3 = 15)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write short notes on software Evolution.

Or

- (b) Explain structure of a C++ program.

12. (a) What is constant member function?

Or

- (b) Write short notes on copy constructor.

13. (a) Write a program segment that overloads ++ operator.

Or

- (b) How to make a private member inheritable?

14. (a) Explain C++ input stream class.

Or

- (b) Write notes on unformatted I/O operation.

15. (a) Write statements for opening and closing files.

Or

- (b) Write short notes on command-line argument.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain Basic concepts of OOP.
17. Explain about static Data member and static member functions with an example.

18. Explain single and multi level in heritance.
 19. Explain pure virtual function with an example.
 20. Write a C++ program to create a sequential file.
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