16U223	(Pages: 2		Name:
	(Regular/Supplementar (CUCBCSS -	y/Improve - UG)	NATION, MAY-2017 (XE) of the ment) lead and allow distributions of the ment of
od class?	(Core Course: Comr	uter Scier	Maximum: 80 Marks
Time: Three Hours			Maximum: 80 Marks
	Answer all qu		
Define abstraction The memory size			
<ul><li>3. What is an inline</li><li>4. Define an array.</li></ul>			
5 is a non	linear data structure.		
6. The complexity of	of quick sort algorithm is	technique	25. Explain various inheritance
7. An Addres	ss is stored in null pointer.		
8. Write the syntax	of do while statement.		
9. What do you mea	an by a destructor?		
10 C++ operator use	ed for dynamic memory allo	cation is	29. Explain how to evaluate a p
To. C. Operator ase			

# **SECTION-B**

31. Explain various string represe anothernal and

- (chalf (th=8 x 2) 11. What do you mean by a friend function?
  - 12. How to define a class in C++?
  - 13. How a queue is represented as linked list?
  - 14. What is the difference between pre and post increment statements?
  - 15. Write an algorithm to perform bubble sorting?

 $(5 \times 2 = 10 \text{ Marks})$ 

#### SECTION-C

## Answer any five questions

- 16. Explain various operators in C++?
- 17. Explain various hashing techniques? as no mologou? valugo A)
- 18. Explain with code binary search technique?
- 19. Write C++ program to add two complex numbers using object and class?
- 20. Why it is necessary to make a base class virtual base class. Explain.
- 21. Explain insertion operation to a linear linked list.
- 22. Explain with example how to write few data to a file using Fstream classes.
- 23. Short note on constructors.

(5 x 4=20 Marks)

#### **SECTION-D**

### Answer any five questions

- 24. Explain various OOP concepts.
- 25. Explain various inheritance techniques with example. 102 Journal of Table 25.
- 26. Explain with suitable example and algorithm insertion sorting technique?
- 27. Explain various stack operations with suitable code. Into a bloom ob to xerry and sin W 8
- 28. Explain with suitable C++ program functions in C++, resb and resemble to be a compared to the compared to
- 29. Explain how to evaluate a postfix expression using stack with suitable example.
- 30. Explain various type conversion techniques between objects and data types, object of various classes.
  - 31. Explain various string representation methods.

(5 x 8=40 Marks)

11. What do you mean by a friend funct \*\*\*\*\*

Could hashed an house some of account of the

14. What is the difference between pre and post increment statements

15. Write an algorithm to perform bubble sorting?

 $(S \times Z = 10 \text{ Marks})$