

E-0397**Sub. Code****1BCEA4****U.G. DEGREE EXAMINATION, APRIL 2019****Computer Science****Allied : PROGRAMMING IN C++****(CBCS – 2011 onwards)**

Time : 3 Hours

Maximum : 60 Marks

Part A

(10 × 1.5 = 15)

Answer **all** questions.

1. Define Object.
2. What is Conditional operator?
3. What is static data member?
4. What is meant by private member?
5. Define constructor.
6. What is polymorphism?
7. What is sequential file?
8. Define Generic programming.
9. Why is exception handled?
10. What is meant by divide by zero exception?

Part B

(5 × 3 = 15)

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

11. (a) Compare it-else if with switch statement.

Or

- (b) Compare while loop with do..while loop.

12. (a) Explain about friend function in Brief.

Or

- (b) Explain parameterized constructor with an Example.

13. (a) Explain abstract class with an example.

Or

- (b) Explain Hierarchical inheritance.

14. (a) Explain function Template with an example.

Or

- (b) Explain class Template with an example.

15. (a) Explain Exceptions in constructors and Destructors.

Or

- (b) Explain about Fault Tolerant Design technique.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss about principles of object oriented programming.
17. Write a C++ program using copy constructor.

18. Explain about virtual function with an Example.
 19. Write a C++ program to create a sequential file to store student name, roll no and class.
 20. Explain Exception Handling model.
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