

A-8986

Sub. Code

4BCEA4

U.G. DEGREE EXAMINATION, NOVEMBER 2019**Computer Science****PROGRAMMING IN C++****(CBCS – 2014 onwards)**

Time : 3 Hours

Maximum : 60 Marks

Part A $(10 \times 1\frac{1}{2} = 15)$ Answer **all** questions.

1. List out any five object-oriented programming languages.
2. How much bytes are occupied for char, long double and long int?
3. What is the use of delete and new operator?
4. Define Copy constructor.
5. Give an example of compile time polymorphism.
6. What are the applications of this pointer?
7. Why templates sometimes called as parametrized classess?
8. Give any three file mode parameters.
9. What are the three keyword used in exception?
10. Write down the general form of try block.

Part B

(5 × 3 = 15)

Answer **all** questions.

11. (a) Discuss about structure of C++ program.

Or

- (b) Explain about derived data type.

12. (a) What is a friend function? What are the merits and demerits of using friend function?

Or

- (b) List the special properties of the constructor functions.

13. (a) Write a program to illustrate the single inheritance.

Or

- (b) Write a C++ program to illustrate the use of two character handling functions.

14. (a) Discuss about the stream classes for file operations.

Or

- (b) Explain about class templates.

15. (a) Write short notes on Exception handling mechanism.

Or

- (b) Discuss about handling uncaught exceptions.

Part C $(3 \times 10 = 30)$

Answer any **three** questions.

16. Discuss about control structures.
 17. Write a program for multiple constructors in a class.
 18. Explain about formatted console I/O operations.
 19. Discuss File pointers and their manipulations.
 20. Write a program to illustrate divide by zero exception.
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