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U.G. DEGREE EXAMINATION, NOVEMBER 2019

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 used defined data type?
2. Write down benefits of object oriented programming.
3. Define inline function.
4. What is class?
5. What is the purpose of operator overloading?
6. What is the use of “Super” keyword?
7. What is meant by unformatted I/O operation?
8. What is pointer?
9. How to detect end of a file?
10. What is sequential file?

Part B

(5 × 3 = 15)

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

11. (a) Write briefly about software crisis.
Or
(b) What are the benefits of object oriented programming?
12. (a) How to pass objects as function argument?
Or
(b) How to initialize objects dynamically?
13. (a) Explain single inheritance with an example.
Or
(b) Explain multiple inheritance with an example,
14. (a) Explain about this pointer.
Or
(b) Explain briefly about pointers of derived classes.
15. (a) What is the use of file pointer? Explain.
Or
(b) Explain different modes of files.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss basic concepts of object-oriented programming.
17. Explain copy constructor with an example.
18. Explain how to over load unary operator.
19. Explain virtual function with an example.
20. Explain about class template with an example.