

**2019**

Time : 3 hours

Full Marks : 60

*Sem 1*

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

**Group – A**

**(Short-answer Type Questions)**

**(Compulsory)**

1. Answer all questions : 1×10 = 10
- (a) What do you mean by C++ ?
  - (b) Write any three logical operator.
  - (c) What do you mean by call by value ?
  - (d) What do you mean by unary operator ?
  - (e) What do you mean by gets( ) function ?

- (f) What do you mean by Iterative statements ?
- (g) What do you mean by break ?
- (h) What do you mean by void function ?
- (i) What do you mean by Array ?
- (j) What do you mean by Printer ?
2. WAP to find Greater between three no's [Use C/C++]. 5

#### Group – B

##### (Descriptive Type Questions)

Answer any **three** questions.

3. (a) WAP to find sum of any number [Use C/C++]. 5
- (b) WAP to find factorial of any digit [Use C/C++]. 5
- (c) WAP to find reverse of any number [Use C/C++]. 5
4. What do you mean by Inheritance. Explain its types by using example. 15

5. (a) What do you mean by object oriented programming ? 7½
- (b) Explain different types of operator. 7½
6. (a) Differentiate between function overloading and operator overloading with suitable examples. 10
- (b) What do you mean by construct ? Explain. 5
7. Write short notes on any **three** of the following : 15

- (a) Derived Data Types
- (b) Features of Pointers
- (c) Dynamic Memory Allocation
- (d) Copy Constructor
- (e) Scope of Variables