This question paper contains **3** printed pages]

Y—483—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Second Year) (Third Semester) (Backlog) EXAMINATION

NOVEMBER/DECEMBER, 2019

(CBCS Pattern)

COMPUTER SCIENCE

Paper VII

(Programming in C++)

(MCQ & Theory)

(Tuesday, 17-12-2019) **Time : 2.00 p.m. to 4.00 p.m.**

Time—2 *Hours* *Maximum Marks*—40

N.B. :— *All* questions are compulsory.

MCQ

1. Choose the *correct* answer : 10

(*i*) Which is the *correct* example of unary operator :

(*a*) & (*b*) – –

(*c*) _ (*d*) /

(*ii*) Which of the following is used for comments in C++ ?

(*a*) // (*b*) / * * /

(*c*) Both (*a*) and (*b*) (*d*) None of these

(*iii*) What does it create the object ?

(*a*) Class (*b*) Constructor

(*c*) Destructor (*d*) Attributes

P.T.O.

(*iv*) How many ways are there to passing a parameter in C++ ?

(*a*) 1 (*b*) 2

(*c*) 3 (*d*) 4

(*v*) By default how are the values passed in C++ ?

(*a*) Call by value (*b*) Call by reference

(*c*) Call by pointer (*d*) None of these

(*vi*) Which of the following is default return value of functions in C++ ?

(*a*) int (*b*) char

(*c*) float (*d*) void

(*vii*) What is the operator called ?

(*a*) Conditional operator (*b*) Relational operator

(*c*) Casting operator (*d*) None of these

(*viii*) An inline function is expanded during ....

(*a*) Compile time (*b*) Runtime

(*c*) Never expanded (*d*) At end of the program

(*ix*) Which is more effective while calling the functions ?

(*a*) Call by value (*b*) Call by reference

(*c*) Call by pointer (*d*) None of these

(*x*) Which of the following is called extraction operator ?

(*a*) << (*b*) >>

(*c*) > (*d*) <

Theory

2. (*a*) Explain basic concepts of OOP. 5

   (*b*) Explain nested if with example. 5

Or

   (*c*) Explain applications of OOP. 5

   (*d*) Explain switch statement with example. 5

3. (*a*) Explain function prototyping ? 5

   (*b*) Explain friend function. 5

Or

   (*c*) Explain function overloading. 5

   (*d*) Explain objects as function arguments. 5

4. (*a*) Explain operator overloading. 5

   (*b*) Explain multilevel inheritance. 5

Or

   (*c*) Give rules for overloading operators. 5

   (*d*) Explain hierarchical inheritance. 5