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W—422—2018

FACULTY OF SCIENCE

B.Sc. (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper VII

(Programming in C++)

(MCQ & Theory)

(Wednesday, 12-12-2018)   **Time : 2.00 p.m. to 4.00 p.m.**

Time—2 *Hours*   *Maximum Marks*—40

N.B. :— (*i*) All questions are compulsory.

     (*ii*) All questions carry equal marks.

MCQ

1. Solve the following :   10

     (*i*) The constants are also called as....................................

         (*a*) Const   (*b*) Preprocessor

         (*c*) Literals   (*d*) None of these

     (*ii*) What is correct syntaxe of for loop ?

         (*a*) For (Initialization; condition; Increment; Decrement)

         (*b*) For (Increment; Decrement; Initialization; Condition)

         (*c*) For (Condition; increment; Decrement; Initialization)

         (*d*) None of the above

     (*iii*) What will be used when terminating a statement ?

         (*a*) :   (*b*) }

         (*c*) ;   (*d*) : :

P.T.O.

(*iv*) ....keywords are desinged in C++.

    (*a*)   30   (*b*)   48

    (*c*)   32   (*d*)   40

(*v*) Which of the following is not the member of class ?

    (*a*)   Static function   (*b*)   Friend function

    (*c*)   Const function   (*d*)   Virtual function

(*vi*) By default members of the class are........................in nature.

    (*a*)   Protected   (*b*)   Private

    (*c*)   Public   (*d*)   Static

(*vii*) How many object can be created of a class in C++ ?

    (*a*)   1   (*b*)   5

    (*c*)   There is no limit   (*d*)   256

(*viii*) Class X, Class Y and Class Z are derived from class base. This is .... inheritance.

    (*a*)   Multiple   (*b*)   Multilevel

    (*c*)   Hierarchical   (*d*)   Single

(*ix*) Which one is not a correct variable type in C++ ?

    (*a*)   Float   (*b*)   Real

    (*c*)   Int   (*d*)   Double

(*x*) How many types of constructor are there in C++ ?

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

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

Theory

2. (a) Explain difference between C and C++. 5

   (b) Explain operators in C++. 5

Or

   (a) WAP in C++ to print Fibonacci series of given limit. 10

3. (a) WAP in C++ to demonstrate constructor. 10

Or

   (a) Explain while statement. 5

   (b) Explain static data member. 5

4. (a) WAP in C++ to demonstrate overloading binary operator. 10

Or

   (a) Explain function overloading. 5

   (b) Explain virtual base class. 5