



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engg.) 2018 Admission
III Semester Final Examination-December 2019

Basc.2107

Computer Programming (1+1)

Marks: 50
Time: 2 hours

I Choose the correct answer

(10x1=10)

1. cout is a/an _____.
a Operator b function c object d macro
2. Which of the following is an abstract data type?
a int b double c string d Class
3. Constants are also called as
a const b preprocessor c literals d variable
4. Which of the following approach is adapted by C++?
a Top-down b Bottom-up c Right-left d Left-right
5. Which of the following concepts means wrapping up data and functions together?
a Abstraction b Encapsulation c Inheritance d Polymorphism
6. What does inheritance allows you to do?
a create a class b access methods c Access data d create a hierarchy of classes
7. The operator used for indirection is _____.
a * b & c -> d ->>
8. The fields in the class in C++ program are by default
a protected b private c public d none
9. Constructors are used to
a initialize the objects b construct the data members c both a & b d none

State True or False

10. auto is a keyword.

II Write Short notes on any FIVE of the following

(5x2=10)

1. What are the basic data types available in C++?
2. Define class and object.
3. What is the use of preprocessor directive #include<iostream.h>?
4. What is a pointer?
5. List the relational operators available in C++.
6. List any two unformatted input statements in C++.
7. Find the output of the following block of code.

```
for(int i=1;i<10;i++)  
{  
    if(i%2==0)  
        cout<<i;  
}
```

III Answer ANY FIVE of the following.

(5x4=20)

1. Explain the characteristics of OOPs.
2. Explain Inline functions with an example.
3. Explain operator overloading.
4. Explain the structure of C++ program.
5. Write a C++ program to find biggest of 3 numbers.
6. Compare while and do-while statements in C++.
7. What are friend functions? Discuss their uses in OOPs.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain different types of inheritance.
2. Write a C++ program to find addition of two matrices.
