

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food.Engg) 2013 Admission

IIIrd Semester Final Examination- December -2014

Cat. No: Basc.2107

Title: Computer Programming(1+1)

Marks: 50.00

Time: 2 hours

I Define

(10 x 1=10)

1. Does C++ support multilevel and multiple inheritance
2. What does extern mean in a function declaration
3. What does this pointer points to
4. What is data hiding
5. What is a modifier
6. Define namespace
7. What is an Iterator class
8. What is a dangling pointer
9. What is a null object
10. what is a class invariant

II Write short notes on any FIVE questions

(5x 2=10)

1. Describe the importance of destructors
2. Distinguish between the following two statements

time T2 (T1);

time T2=T1;

T1 and T2 are objects of time class

3. Describe the syntax of single inheritance in C++
4. What is a virtual base class
5. What is the role of file () function. When do we use this function
6. What is containership .How does it differ from inheritance
7. What is generic programming .How is it implemented in C++

III Write short notes on any FIVE questions

(5x 4=20)

1. Why it is necessary to overload on operator
2. A friend function cannot be used to overload the assignment operator .Explain why
3. Create a class MAT of size m x n .Define all possible matrix operations for MAT type objects
4. When do we make a virtual function .What are the implications of making a function a pure virtual function
5. What are input and output streams

6. What are the steps involved in using a file in a C++ program
7. Discuss different ways by which we can access public member functions of an object

IV Write an essay on any ONE

(1 x 10=10)

1. Write a C++ program that reads a text file and creates another file that is identical except that every sequence of consecutive blank spaces is replaced by a single space
2. A template can be considered as a kind of macro .Then what is the difference between them. Explain with suitable examples
