

B.E/B.TECH DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2009)

Sixth Semester

CSE122: C# AND .NET PROGRAMMING

(Common to CSE/IT)

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Which of the following statements is correct about enum in C#?
 - (i) The default value of first element of an enum is 0.
 - (ii) If there is no access specifier, enum is treated as public.
 - (iii) An enum can be declared inside a class, struct, interface or namespace.
 - (iv) Values assigned to enum elements must always begin with 0.

a) i	b) i,ii,iii
c) ii	d) i & iv
2. Which of the following lines of code will return the contents of the 'result' variable to the calling method?

a) result return;	b) int result return;
c) return result;	d) return int result;
3. What is the name of the control for putting menus on a form?

a) FormMenu	b) MenuForm
c) MainMenu	d) Menu Control
4. Which keyword is used to override the function?

a) Virtual	b) Abstract
c) Static	d) Template
5. Selection mode of list box is _____

a) MultiSimple	b) Single
c) Multiple	d) Single extended

(ii) Explain the looping constructs in C# with syntax and examples. (10)

(OR)

b) (i) Explain in brief the different data types supported by C# with examples (6)

(ii) Write a C# program to generate Fibonacci series. (8)

22. a) (i) List the difference between classes and structures? (6)

(ii) Write a method that would take an array as input and check whether a given element is present in the list or not. The method must return true if it is present, otherwise return false. (8)

(OR)

b) (i) What is Inheritance? With a suitable example, explain how is it implemented in C#? (10)

(ii) Differentiate overriding and overloading. (4)

23. a) Describe the properties and methods of any two controls for window forms. Write a simple window application program using these controls.

(OR)

b) Write a program to develop a notepad by adding menus, submenus and toolbar and status bar

24. a) Explain the way of accessing data from database using ADO.NET in C#.

(OR)

b) (i) Describe in detail the architecture of ASP.NET (8)

(ii) Describe about Server Controls ASP.NET (6)

25. a) (i) Explain about Web service architecture with neat diagram. (10)

(ii) Write a note on File and Directory classes. (4)

(OR)

b) For the given tariff, create a simple web service to calculate electricity bill for a particular month entered by the user.

1 unit - Rs 5.00 $1 \leq \text{units} \leq 100$,

1 unit - Rs 7.00 $101 \leq \text{units} \leq 200$ and

1 unit - Rs 9.00 201 and above
