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CAVIS-351 A-17
B.C.A. VIth Semester Degree Examination
Computer Science
(C# and .Net Framwork (Elective - II))
Paper : B.C.A - 6.5(a)

Time : 3 Hours   Maximum Marks : 80

Text : 1) Answer all questions from Section-A.

2) Answer any 4 questions from Section-B and any four questions from Section-C.

SECTION - A

I. Answer **all** questions. Each question carries **2 marks** :   (10 × 2 = 20)

a) List the characteristics of C#.

b) What is the significance of MSIL?

c) How will you determine the operator's value?

d) What is NET? Name any 2 applications that are supported by .NET framework?

e) What are the major categories of data types in C#?

f) What are command line arguments?

g) What is overriding a method?

h) What do you mean by default values?

i) What is an interface?

j) What are arrays? Explain the types of arrays.

SECTION - B

II Answer any **four** questions. Each question carries **5 marks** :   (4 × 5 = 20)

2) List out the various value and reference types supported in C#.

3) Explain the execution model of the .NET framework.

4) What is the use of 'is' operator in interfaces? Explain.

5) Explain the origins of .NET technology with a neat diagram.

6) Explain any two types of looping statements in C#.

7) Write a note on polymorphism.

SECTION - C

III Answer any **four** questions. Each question carries **10** marks. **(4 × 10 = 40)**

8) Describe the components of the .NET framework and explain the features of each component.

9) Explain the important characteristics of C#.

10) What is operator overloading? Write C# .NET program to overload the binary plus (+) operator to add two complex numbers.

11) What are various kinds of functional testing? Explain any one.

12) Explain the most common ADO.NET objects.

13) Write a note on the following :

   a) Member access modifiers.

   b) Class Templates.

   c) Interface.

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