V Semester B.C.A. Examination, October/November 2018
(Semester Scheme) (2013-14 Onwards)
COMPUTER APPLICATION
C # (Elective - I)

Time : 3 Hours

Max. Marks : 80

Instruction: *Answer part-A and part-B.*

PART - A

Answer any Ten questions.

[10 × 2 = 20]

Q1) List the benefits of .NET framework.

Q2) What is value type and reference type in C#?

Q3) Write the general structure of a C# program.

Q4) What is Jagged array? What is the use of it?

Q5) Define polymorphism and its types.

Q6) How can we prevent the inheritance of a class?

Q7) Define abstract class and interface.

Q8) Why operators should be overloaded?

Q9) What is a delegate?

Q10) Write the use of 'final' keyword.

Q11) Discuss the types of errors.

Q12) What is an event? Write the syntax to declare an event.

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PART - B

Answer any Six questions:

Q13)a) Differentiate C and C# programming languages.

b) List the different C# operators. Write a note on Null-Coalescing Operato

Q14)a) What is boxing and unboxing in C#? Give example.

b) What are method parameters? Explain.

Q15)a) Discuss any 5 characteristics of C#.

b) Explain command line arguments with an example program.

Q16)a) Explain multiple inheritance with an example program. [6]

b) Write a note on visibility controls. [4]

Q17)a) Write a C# program to illustrate method overriding. [6]

b) What are sealed methods? Write its use. [4]

Q18)a) Write a C# program to overload a binary operator. [8]

b) List the operators that cannot be overloaded. [2]

Q19)a) What is a delegate method? Write a C# program to illustrate delegate method. [6]

b) Differentiate Console Read () and Console. Readline (). [4]

Q20)a) Write a brief note on Exception handling in C# with a program. [6]

b) Differentiate checked and unchecked operators. [4]

Q21) Explain various types of Numeric formatting in C# with examples. [10]

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