



22525/E 250

Reg. No. 

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**V Semester B.C.A.2 Degree Examination, November/December 2017**  
**.NET FRAMEWORK USING C#**  
**(Repeater)**

Time : 3 Hours

Max. Marks : 80

***Instruction : All Sections are compulsory.***

SECTION – A

- I. Answer **any ten** of the following : **(2×10=20)**
- 1) What is C# ?
  - 2) Mention any four datatypes in C#.
  - 3) What do you mean by typecasting ?
  - 4) Define the terms class and object.
  - 5) What is an Exception ?
  - 6) Name any two common exceptions.
  - 7) What is an Interface ?
  - 8) What is an Event ?
  - 9) Mention any two methods of System.Console Class.
  - 10) What is a file ?
  - 11) What are mutable and immutable strings ?
  - 12) What is an assembly ?

SECTION – B

- II. Answer **any six** of the following : **(5×6=30)**
- 13) Write a C# program to demonstrate the members of System.Environment class.
  - 14) What is method Overloading ? Give example.
  - 15) Explain try . . . catch statement for exception handling.
  - 16) What is boxing and unboxing ? Explain with the help of an example.
  - 17) What are delegates ? How are they declared and instantiated ?
  - 18) Explain single file and multifile assembly.
  - 19) Describe the relational operators in C#.
  - 20) Write a C# program to check whether given number is even or odd.

P.T.O.



SECTION – C

III. Answer **any three** of the following.

**(10×3=30)**

- 21) Explain the building blocks of .NET framework.
- 22) Discuss the important concepts of object oriented programming.
- 23) a) Write a C# program to demonstrate exception handling.  
b) Write a note on types of exceptions.
- 24) Explain FileInfo and DirectoryInfo classes.
- 25) Write short notes on **any two** :
  - a) arrays
  - b) operator overloading
  - c) looping statements
  - d) if statement.

**(5+5)**

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