



32525/E250

Reg. No.

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**V Semester BCA 3 Degree Examination, Nov./Dec. - 2019**

**NET FRAMEWORK USING C#**

**(Repeater)**

**Paper- BCA 3**

**Time : 3 Hours**

**Maximum Marks : 80**

**Instructions to Candidates: All Parts are compulsory.**

**PART - A**

Answer any **Ten** of the following:

**(10×2=20)**

1. a) Expand MSIL and JIT.
- b) What is Boxing and Unboxing?
- c) What is abstract class?
- d) What do you mean by garbage collection?
- e) Define exception. Give example.
- f) What is the use of throw keyword? Give example.
- g) What is interface? Give example.
- h) What is delegate? Give example.
- i) What is NET assembly?
- j) What is the purpose of Director Info Class?
- k) Write the syntax of for each loop.
- l) What are the NET aware Languages?

**PART - B**

Answer any **Four** of the following:

**(4×5=20)**

2. Discuss the key members of System-Environment class.
3. Explain different methods of file system. GC type.
4. Write a program to demonstrate exception handling using try, catch and finally block.
5. Explain how interfaces are defined and implemented.
6. Explain the format of .NET assembly.
7. Write a C# program to accept a string and then check whether each word is palindrome or not.

**P.T.O.**

**PART - C**

Answer any **Four** of the following:

**(4×10=40)**

8. What is .NET Framework? Explain building blocks of .NET platform.
  9. Discuss the pillars of object oriented programming.
  10. a) Differentiate between system level and application level exception.  
b) What is inner exception? Give example. **(5+5)**
  11. a) Describe the syntax of delegate declaration and instantiation.  
b) Write a C# program to find the second largest element in a single dimension array. **(5+5)**
  12. a) Explain Stream Reader and Stream Writer classes.  
b) Write a C# program to find the sum of all the elements present in a jagged array of three inner layers. **(5+5)**
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