

## EE682

### M.C.A. EXAMINATION, 2020

(Fifth Semester)

(B Scheme)

(Re-appear Only)

MCA

MCA603

NET FRAMEWORK WITH C#

Time : 3 Hours]

[Maximum Marks : 75

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note** : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

#### Unit I

1. Give an introduction of .Net framework. Also explain the origin of .Net technology. **15**
2. (a) Explain framework base classes with suitable example. **8**  
(b) What is Common Type System (CTS) ? Explain. **7**

#### Unit II

3. Define an array. Write a program in C# to find the factorial of a number. **15**
4. What is Inheritance ? Explain the types of inheritance used in C# with suitable examples. **15**

### **Unit III**

5. Explain the followings :
- (a) Console I/O operations **8**
  - (b) Windows forms. **7**
6. What is a socket ? How is it handled in C# ? Explain. **15**

### **Unit IV**

7. (a) Explain the graphical device interface in reference of C#. **8**  
(b) What are built-in attributes and custom attributes ? **7**
8. Write notes on the following :
- (a) .Net assemblies and Attributes. **7**
  - (b) Unsafe mode. **8**