

(Please write your Exam Roll No.)

Exam Roll No. 015

END TERM EXAMINATION

THIRD SEMESTER [MCA] DECEMBER 2015

Paper Code: MCA 209

Subject: C# Programming

Time : 3 Hours

Maximum Marks :60

Note: Attempt any five questions

- Q1. a) Explain the features and building blocks of .net framework. (6)
b) Explain the role of common intermediate language. (6)
- Q2. a) What is the purpose of .net type metadata? Give example. (4)
b) Write a C++ program to demonstrate use of read only and static variables. (8)
- Q3. a) How do you format .net string and textual output? Give example. (5)
b) Explain the functions of the system object class. Give overridden definition of Equals () and ToString () functions. (7)
- Q4. a) What is inheritance? How it is implemented in C++? (4)
b) Explain the following terms with an example with reference to C++. (8)
i) params ii) enum (iii) verbatim iv) ref
- Q5. a) Discuss the difference between value type and reference type. (4)
b) Write a window based C++ program to find the square of a number entered in a text box. (8)
- Q6. a) Why is proper ordering of catch blocks is necessary in C++? (4)
b) Write C++ application to illustrate handling multiple exceptions. (8)
- Q7. a) What are delegates? Explain the members of system: Multicast delegates: Write a small program to implement multicasting. (4)
b) Develop a program for linked list using generic classes. (8)
- Q8. a) List the XML based standards used in web services. (6)
b) Write the steps required for establishing database connectivity using ADO.net. (6)

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