Nepal college of information technology

(Unit test)

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| Level: Bachelor | Semester-Spring-2014 | Full Marks: 70 |
| Programme: BE CE | | Pass Mark: 35 |
| Course: Advanced Programming Technology | | Time : 2hrs. |

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| *Candidates are required to give their answers in their own words as far as practicable.* |
| *The figures in the margin indicate full marks.* |
| Attempt all the questions. |

1. a. How could you differentiate between structural and object oriented programming. Explain the main features of Object Oriented Programming? (8)

b. Introduce subjected oriented, aspect oriented and event driven programming. (7)

2. a. What is Model View Controller? Explain an architecture and working principle of MVC. (7)

b) Explain different types of client server architecture with pros and cons of each types. (8)

3. a. Explain the basic C# program structure with an example. (7)

b. Introduce C# programming with its basic data types, literals, constants, operators and variables. (8)

4. a. How namespace system system works in C# programming. Write a C# program to demonstrate the concept of Objest and Class. (7)

b. How array is differ from collections in C#. Write a program to demonstrate the use of ArrayList as a collections class. (8)

5. Write short notes on (any two) (5\*2=10)

a) Document View Architecture

b) Jagged Array

c) C# Properties

d) C# events and delegates

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