Nepal college of information echnology

Assessment

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| Level: Bachelor | Semester – Fall | Year : 2014 | |
| Programme: BE | | Full Marks : 100 | |
| Course: Advance Java Programming | | Time : 3hrs. | |
| *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. Describe in brief about Object Oriented Programming Concept in Java with examples. 8

b. Differentiate Method Overloading vs Method Overriding with examples. 7

2. a. What is inheritance? What are the different types of inheritance? Explain with examples. 8

b. Explain Interface and Implementation Classes with examples. 7

3. a. What is a constructor? Explain types of constructors with examples. 8

b. What is MVC? Describe with Examples. 7

4. a. Write a Java servlet class with some basic functions a servlet class need. 8

b. Write a simple Java code to connect to a database breaking it into interface and implementation. 7

Mysql Driver: com.jdbc.mysql.driver

Username: root

Password: root

Database Name: db\_exam

5. Design a simple MVC web application for Canteen Management System. Different Functionalities for Canteen Management would be: Login, Add User, Delete User, List User and Edit User. Write down the name of essential classes, packages and JSP files required and explain the flow of the code using diagrams. 15

6. Write and describe web XML Mapping for login functionality of the Canteen Management System application. 15

7. Write short notes on (any two) (5\*2):

a. Interface Vs Abstract

b. HTML and HTTP

c. Access Modifiers

d. final Keyword