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S. D. M. COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

Continuous Assessment Test – 3

Class	:	Sem VII	Date: 24-11-2014
Course Title	:	Advanced Object Oriented Programming	Duration: 1 Hr.
Course Code	:	CS407	Max. Marks: 20
Course Instructor	:	Mayur Patil	Time: 12:30-1:30

Note: Q3 is compulsory. Answer anyone from Q1 and Q2.

Q1.

a) Develop a bean class which has read-write property USN, Name, Mobile number and binds to the setText property of JTextField. **(CO 6, PO C,E) 6M**

b) Demonstrate the use of XOR and AND operations using BitSet class.**(CO 1, PO C,E) 4M**

Q2.

a) Demonstrate a simple generic class with two type parameters, which shows output as shown below: **(CO 1,PO C,E) 5M**

i. Type of T is java.lang.Integer
Type of T is java.lang.String

ii. Value: 88
Value: Generics

b) Demonstrate the use of LinkedList with user defined objects . **(CO 1,PO C,E) 5M**

Q3.

a) Demonstrate Remote Method Invocation (RMI) technology with necessary java programs, which returns an object containing addition, subtraction, multiplication,division results for the given numbers, passed as command line parameters. **(CO 4,PO C,E) 10M**

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Syllabus: Utility/Generics/Collections/RMI/Beans

The following are the identified Course Outcomes (CO) and Program Outcomes (PO):

CO. 2. Capability to develop applications through CORE JAVA features like: Events, Exceptions, built-in java objects, Streams, Threads, Applets and Frames, AWT and Swings (PO C, E ; Strength of correlation CO PO is 2/12)

CO. 4. Knowledge and capability to develop applications using networking features of java language. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 6. Knowledge and capability to develop Enterprise Applications using Enterprise Javabeans (PO C, E Strength of correlation CO PO is 2/12)

PO C.An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

PO E.An ability to identify, formulate, and solve engineering problems.