

MAY 2014

B. Sc (IT) 3rd SEMESTER

Roll No _____

Advanced Java Programming (BS - 308)**NOTE: Section A is compulsory. Attempt three questions from section B.****Time Allowed: 3 Hrs.****Max. Marks: 60****SECTION – A****Q I** Explain in brief:

- a) Event delegation model
- b) JDBC vs. ODBC
- c) How do you create a text area in Java?
- d) TCP vs. UDP
- e) What do you mean by thread synchronization?
- f) What is a random access file?
- g) What is the difference between a class and an interface?
- h) What is a socket?
- i) Define a servlet's life cycle.
- j) What is a port?

SECTION – B

- Q II** a) What are threads? How multithreading is implemented in Java?
b) Compare and contrast process based and thread based multitasking.

(6, 4)

- Q III** Write a program to print the IP address and name of local machines and also of three other popular Internet web sites.

(10)

- Q IV** Write a program that fetches the name and detail of the employee from the Employee table using JDBC.

(10)

- Q V** Write a program to read the contents of the file placed on a remote server. Also print the URL of host and remote computer.

(10)

- Q VI** a) What is Layout manager? Describe the use of GridLayout manager.
b) List four interfaces used in javax servlet package. Also give their use.

(5, 5)

- Q VII** Define RMI and explain the RMI architecture in detail.

(10)

END
