

MCA (Revised)
Term-End Examination
June, 2007

**MCS-051 (S) : ADVANCED INTERNET
TECHNOLOGIES**

Time : 3 hours

Maximum Marks : 100

Note : Question number 1 is **compulsory**. Attempt any **three** questions from the rest.

1. (i) Write a servlet program that takes your name and address from an HTML form and displays it. 10
- (ii) Does the JDBC-ODBC bridge support multithreading ? Explain. 5
- (iii) Briefly describe the relationship of applets and servlets with JSP. 5
- (iv) What is the advantage of using an entity bean for database operations, over directly using JDBC API to do database operations ? When would you need to use one over the other ? 5
- (v) Make a comparison between HTML and XML with the help of examples. 5

- (vi) What are the advantages of using Java's multiple layer security implementation ? 5
- (vii) Draw the high level software architectural diagram and explain its components. 5
- 2.** Differentiate between the following : 20
- (i) GET vs POST
- (ii) JSP vs Servlets
- (iii) Servlet Context vs Servlet Config
- (iv) Session vs Cookie
- (v) Data integrity vs Session integrity
- 3.** (i) Explain the various types of JDBC drivers, their advantages and disadvantages. 15
- (ii) What is custom tags in JSP ? List some of its features. 5
- 4.** (i) Draw the layered architecture of EJB and explain its components briefly. 10
- (ii) Through an example, briefly describe the structure of the XML document. 10
- 5.** (i) Explain the issues related to SSL authentication. 15
- (ii) Differentiate between SGML and XML. 5