MCS-051

MCA (Revised)
Term-End Examination
December, 2014

10684

MCS-051 : ADVANCED INTERNET TECHNOLOGIES

Time : 3 hours   *Maximum Marks : 100*

Note : *Question no.* **1** *is* **compulsory**. *Attempt any* **three** *questions from the rest.*

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1. (a) How do we call the servlets with parameters in URL ? If your parameter and value are "name = Amit", write the code fragment to perform some action for names other than Amit.   7

   (b) Discuss the different categories of session beans.   6

   (c) What are the advantages of XML over HTML ? Why is SGML not used over the web ?   6

   (d) Explain the different development goals of XML document.   6

   (e) What is a message-driven bean ? Why are the transactional attributes of these beans important during deployment ?   5

   (f) How do we recover from a trusted system failure ? Write down the points that need to be taken care of during the recovery.   5

(g) Write a program fragment to implement an access control list to be able to read a payroll file. *5*

2. (a) How can servlets collaborate using properties ? Demonstrate with a code fragment that sets a parameter that is later used by another servlet. *10*

(b) Write a servlet to use a user-id and password stored in a database to authenticate a user. *10*

3. (a) What is JNDI authentication ? Explain with suitable example. *10*

(b) Write down the benefits of EJB architecture for the developers and users. *10*

4. Describe all the 4 types of JDBC drivers with the advantages and disadvantages of each. *20*

5. (a) Write an HTML script with an embedded scriptlet to print the current time. *10*

(b) Discuss the JSSE set of packages that support and implement the SSL. *10*

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