MCA Sem IV CBGS

Core and advanced Java

QP Code : 17802

(3 Hours) **[Total Marks : 80**

N.B. : (1) Question No.1 is Compulsory.
(2) Attempt any four from Q.2 to 7.

1. Write short notes on any four of the following:-   20
   (a) List the characteristics of Java sockets.
   (b) Compare Applet and Application.
   (c) What is Cookies? Explain with simple program.
   (d) Compare JSP and Servlets.
   (e) Difference between Input stream and output stream.

2. (a) Explain different types of layout manager in detail?   8
   (b) What are the Different types of EJB & Explain EJB Architecture with neat diagram?   7

3. (a) What are available drivers in JDBC? What does Class.forName ( ) method do?   8
   (b) Explain the callback methods in Entity beans.   7

4. (a) Explain how Exception handling is done in java. Write a program to demonstrate use of throw Keyword.   8
   (b) What is object serialization? What is use of serialVersionUID?   7

5. (a) What is static method & static variable Explain with Suitable example?   8
   (b) What is advantage of putting business logic in EJB over stored procedure?   7

6. (a) What are servlets? Explain Servlets life cycle in detail with example?   8
   (b) Explain the different resultset constant & resultset types?   7

7. (a) Explain why java don't support multiple inheritance. Write a program to demonstrate Use of Interface.   8
   (b) When a client request is sent to the servlet container, how does the container choose which servlet to invoke?   7

CG-Con.:9044-14.