MCA sem IV (CBGS)   1615/07

Core- and Adv. JAVA

Q.P. Code :02411

[Time: 3 Hours]   [Marks:80]

Please check whether you have got the right question paper

N.B: 1.   **Question No.1 is compulsory**
          2.   **Attempt any four questions out of the remaining Q.2 to Q.7**

Q.1)   Write short notes on any four of the following   20
       a)   Compare servlet and CGI.
       b)   Compare Applet and Application
       c)   Difference between strut 1.X and strut 2.X
       d)   Object serialization and Descrialization.
       e)   Difference between AWT and swing.

Q.2   a)   What is layout? Explain different types of Layout Manager in Java?   08
       b)   What are the Different types of EJB and explain EJB Architecture with neat diagram?   07

Q.3   a)   What are available drivers in JDBC? What does classforName() method do?   08
       b)   What is cookie? Write a simple servlet program to design to page visit counter using cookie.   07

Q.4   a)   Explain how Exception handling is done in java. Write a program to demonstrate use of throw and   08
            throws keyword.
       b)   What is directives? Explain different types of directives in JSP?   07

Q.5   a)   What is static Method and variable Explain with suitable Example?   08
       b)   Explain the different resultset constant and resultset types?   07

Q.6   a)   What are servlets? Explain servlets life cycle in detail with example?   08
       b)   Explain thread life cycle in detail. Write a program to create two threads.   07

Q.7   a)   Explain why java don't support Multiple inheritance. Write a program to demonstrate use of Interface.   08
       b)   Explain Event delegation Method. Explain ItemListener and Mouselistner interface.   07

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