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T.Y. B.B.A. (Computer Application)

CA - 603 : ADVANCED JAVA

(CBCS 2019 Pattern) (Semester - VI)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *All questions are compulsory.*

2) *Figures to the right indicate full marks.*

Q1) Attempt any eight of the following.   **[8×2=16]**

   a)   List any 2 JDBC drivers.

   b)   What is protocol?

   c)   What is JSP?

   d)   What is sleep ( ) method?

   e)   What is session?

   f)   What is TCP/IP?

   g)   What is hybernate?

   h)   What is port number?

   i)   List any 2 implicit objects in JSP.

   j)   What is thread synchronization.

Q2) Attempt any four of the following.   **[4×4=16]**

   a)   Explain driver manager class & its methods.

   b)   Write down the difference between do get ( ) & do post ( ) methods.

   c)   Explain thread life cycle with diagram.

   d)   What are the benefits of spring.

   e)   Write a java program to display all the records from EMP table. Assume EMP (Eno, Ename, Salary) table is already created.

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Q3) Attempt any four of the following. **[4×4=16]**

   a) List and explain types of result set in JDBC.

   b) Explain runnable interface with example.

   c) Explain socket & server socket classes used in networking.

   d) Write a multithreading program in java to display all the integers between 1 to 100 randomly after 2 seconds.

   e) Write a java program to delete the details of given teacher. Assume teacher table with attributes tno, tname, subject is already created.

Q4) Attempt any 4 of the following. **[4×4=16]**

   a) Write a servlet application to display "Hello Java" message on the browser.

   b) List and explain any 4 directives in JSP.

   c) Explain prepared statement interface in detail with example.

   d) List different ways of session tracking. Explain any one in detail.

   e) Write a JSP script to display all the even numbers between 1 to n in Blue color.

Q5) Write a short note on any two of the following. **[2×3=6]**

   a) Service ( ) method.

   b) Thread class.

   c) Hibernate.

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