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**[4968]-6002**

**B.C.A. (Sixth Semester) EXAMINATION, 2016**

**602 : ADVANCE JAVA**

**(2013 PATTERN)**

**Time : Three Hours**

**Maximum Marks : 80**

**1. Answer the following (Any *eight*) :** [8×2=16]

- (a) What is Thread ? How to set priority to the thread ?
- (b) What is introspection ?
- (c) What is the use of collablestatement ?
- (d) What are the directives in JSP ? How are they represented ?
- (e) What is RMI Registry ?
- (f) What is the use of getlocalHost ( ) method ?
- (g) What is the use of manifest.txt file ?
- (h) What is the use of set Max Inactive Interval ( ) method ?
- (i) What is RMI ? What are the proxy classes generated by RMI.
- (j) What is use of accept ( ) method ?

**2. Answer the following (Any *four*) :** [4×4=16]

- (a) What is Session Tracking ? How is it implemented is Servlet ?
- (b) Explain interthread communication with an example.
- (c) Differentiate between TCP/IP and UDP.
- (d) Write JSP program to convert number into words. Ex. if number is 123 then output should be One Two Three.

P.T.O.

(e) Write a JDBC program to accept the details of Emp (Eno, Ename, Sal, Desg) and store it into database. (Use prepared statement interface).

**3.** Answer the following (Any *four*) : [4×4=16]

(a) What is Java Bean ? Explain its advantages.

(b) Differentiate between statement and prepared statement interface.

(c) Write a multithreading program to display drawing temple on the applet container.

(d) Write a socket program to display Date and Time of server's machine on the client's machine.

(e) What are the advantages of servlet over CUI ?

**4.** Answer the following (Any *four*) : [4×4=16]

(a) Explain JDBC architecture in detail.

(b) What is jar file ? How is it created ?

(c) Explain life cycle of thread.

(d) Write a JSP program to check whether given Mail-Id is valid or not Mail-Id should contain one "@" symbol.

(e) Write a JDBC program to update the salary of given employee and display updated details. Employee having and fields Eno, Ename, Sal.

**5.** Answer the following : [2×8=16]

(A) (i) Write a Socket program for chatting Application. (Use AWT).

*Or*

- (ii) Write a Socket program to accept file name from user, check whether it is available on server or not. If it is available then display its contents on client's machine otherwise display an error message.
- (B) (i) Write a servlet program to accept the details of employee (Eno, Ename, Sal, Desg) store it into the database and display it on the browser in tabular format.

*Or*

- (ii) Write a servlet program to accept user name and password from an user if it is valid then display "Welcome" message otherwise display "Error" message.