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KADI SARVA VISHWAVIDYALAYA
B.E. Semester-VI Examination (April / 2017)

SUBJECT CODE: CE/IT 605-1
DATE: 26/04/2017

SUBJECT NAME: Advance Java Programming
TIME: 10:00 A.M. to 01:00 P.M.

TOTAL MARKS: 70

Instructions:

1. Answer each section in separate Answer Sheet.
2. Use of scientific Calculator is permitted.
3. All questions are compulsory.
4. Indicate clearly, the options you attempted along with its respective question number.
5. Use the last page of main supplementary for rough work.

SECTION - 1

- Q-1. a) Explain MVC, AWT and Swing in detail. 5
- b) Explain type 3 driver in detail. 5
- c) What is toggle button? Write a code that demonstrates use of toggle button. 5

OR

- c) Write a JDBC code to store customer details in database using Prepared Statement. 5

- Q-2. a) Explain object serialization with appropriate example. 5
- b) What is JNDI? How it can be used for accessing various directory services like LDAP, NIS, DNS? 5

OR

- Q-2. a) Explain URL and URL Connection class in detail. 5
- b) Write a stored procedure to update student record in database. Write a JDBC code to call that stored procedure. 5

- Q-3. a) Describe following terms: 5
- 1) RMI registry
 - 2) Callable statement
 - 3) Batch update methods

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- b) Write a server program to check whether received string is palindrome or not using UDP communication. 5

OR

- Q-3. a) Compare TCP and UDP. 5
b) Write a program to find area of rectangle using Remote Method Invocation. 5

SECTION – 2

- Q-4. a) Explain characteristics of enterprise architecture. 5
b) Difference between JSP and Servlet. 5
c) Explain architecture of Java Server Pages. 5

OR

- c) Explain following terms: 5
1) Web server
2) Application server
3) N tier architecture

- Q-5. a) Explain servlet context and servlet configuration. What is difference between sendredirect() and forward() method. 5
b) What is filter? Write a code that demonstrates use of filter. 5

OR

- Q-5. a) Enlist session tracking mechanisms of servlet. Explain any two of them. 5
b) Implement servlet using HTTPServlet class to develop login module. 5

- Q-6. a) Explain scriptlet tag, declarative tag and expression tag of JSP. 5
b) Write a JSP code to print ten prime numbers. 5

OR

- Q-6. a) Explain tags of XML tag library. 5
b) Write a JSP page using JSTL function to convert string into uppercase. 5

******* BEST OF LUCK *******