

GUJARAT TECHNOLOGICAL UNIVERSITY
Diploma Engineering Semester –VI Examination Dec. - 2011

Subject code: 361603

Date: 12/12/2011

Subject Name: Advance JAVA

Time: 02.30 pm – 05.00 pm

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered Authentic.

- Q.1** (a) What is swing? Briefly describe the advantages of swing. **07**
 (b) What are the basic steps for JDBC - ODBC connectivity with SQL SERVER, Explain briefly with syntax. **07**
- Q.2** Answer the following questions:
 (a) Explain the detailed Architecture of JSP. **07**
 (b) What is Serialization in swing programming? Give one example. **07**
- OR**
- (b) Describe various Implicit object and its scope of the JSP? **07**
- Q.3** Answer the following questions:
 (a) Explain cookies ? How it is used in session tracking. **07**
 (b) Describe the Advantages of Java Servlet over CGI **07**
- OR**
- Q.3** (a) Explain the difference between GET and POST method in Servlet. **07**
 (b) What is the need for Session tracking in the Servlet? What are the different techniques used for Session tracking? **07**
- Q.4** Write short note on following
 (a) Life cycle of Servlet. **07**
 (b) Session management in JSP **07**
- OR**
- Q. 4** (a) Different types of JDBC Driver Managers. **07**
 (b) Java Server Pages Tags. **07**
- Q.5** Answer the following questions:
 (a) Write a program using Swing API and Add event listeners to create a hierarchy of Computer Science and I. T department. And on selecting any of the nodes. the path should display on the Text. **07**
 (b) Write a Servlet that displays square root and cube root of a number, which will be received from a HTML file. Also write the code for HTML file. **07**
- OR**
- Q.5** (a) Write a program using JSP tags to Compute Fibonacci numbers from 1 to 10. **07**
 (b) Write a program using JDBC API to create the following table student_details in Microsoft access: **07**
 1. Create a table with details stu_name , stu_age, stu_phoneno

પ્રશ્ન-૧	અ	Swing શું છે ? Swing ના ફાયદા ટૂંકમાં સમજાવો.	07
	બ	JDBC-ODBC connectivity with SQL SERVER ના Basic steps Syntax સાથે સમજાવો. નીચેના સવાલો ના જવાબ આપો.	07
પ્રશ્ન-૨	અ	JSP નું Architecture વીગતવાર સમજાવો.	07
	બ	Swing programming માં Serialization શું છે? એક ઉદાહરણ આપો. અથવા	07
	બ	JSP ના જુદા જુદા Implicit object અને તેમના scope સમજાવો ?	07
પ્રશ્ન-૩		નીચેના સવાલો ના જવાબ આપો	
	અ	Cookies સમજાવો.? Session tracking માં તેનો ઉપયોગ સમજાવો.	07
	બ	Java Servlet ના ફાયદા CGI ની તુલના માં સમજાવો. અથવા	07
પ્રશ્ન-૩	અ	Servlet માં GET અને POST method નો તફાવત સમજાવો.	07
	બ	Servlet માં Session tracking ની શું જરૂર છે? Session tracking માટે કઈ જુદી જુદી રીતો વપરાય છે?	07
પ્રશ્ન-૪		ટૂંક નોંધ લખો.	
	અ	Servlet ની લાઇફ સાયકલ.	07
	બ	JSP માં Session management અથવા	07
પ્રશ્ન-૪	અ	JDBC Driver Managers ના જુદા જુદા ટાઇપ.	07
	બ	Java Server Pages ટેગ.	07
પ્રશ્ન-૫		નીચેના સવાલો ના જવાબ આપો	
	અ	Using Swing API and Add event listeners to create a hierarchy of Computer Science and I. T department, And on selecting any of the nodes, the path should display on the Text નો પ્રોગ્રામ લખો.	07
	બ	પ્રોગ્રામ લખો: Servlet that displays square root and cube root of a number, which will be received from a HTML file. Also write the code for HTML file. અથવા	07
પ્રશ્ન-૫	અ	Using JSP tags to Compute Fibonacci numbers from 1 to 10 નો પ્રોગ્રામ લખો	07
	બ	Using JDBC API to create the following table student_details in Microsoft access: 1. Create a table with details stu_name , stu_age, stu_phoneno નો પ્રોગ્રામ લખો	07
