

**GOVERNMENT ENGINEERING COLLEGE, DAHOD**  
**(GUJARAT TECHNOLOGICAL UNIVERSITY)**  
**COMPUTER ENGINEERING**  
**B. E. SEMESTER: VI**  
**ASSIGNMENT LIST YEAR 2016**

**SUBJECT: ADVANCED JAVA (2160707)**

<b>No.</b>	<b>Title</b>	<b>Last Date of Submission</b>
<b>1</b>	<ol style="list-style-type: none"> <li>1. What is JDBC? What are the various types of JDBC Driver? Write code snippet for each type of JDBC connection.</li> <li>2. What is pluggable look and feel? How do you set the look and feel of the components?</li> <li>3. Explain MVC and Hibernate Architecture.</li> <li>4. What is RMI? Give the architecture of RMI and discuss the functions of each layer. Also Explain RMI registry?</li> </ol>	<b>29-1-2016</b>
<b>2</b>	<ol style="list-style-type: none"> <li>1. Explain Servlet Life Cycle with example to demonstrate every state.</li> <li>2. Explain JSP (i) page (ii) include (iii) taglib directive with attribute, description. Also write example of java snippet for each directive.</li> <li>3. Enlist and explain need of JNDI with diagram.</li> <li>4. Explain transaction handling using JSTL.</li> </ol>	<b>17-2-2016</b>
<b>3</b>	<ol style="list-style-type: none"> <li>1. Explain serialization of objects. Why do you need it? Explain SQL tag library.</li> <li>2. Differentiate : Java Bean and basic java class and Explain Java Bean Architecture and Show the use of JSP inbuilt objects: request and response, with their use in application.</li> <li>3. Compare the AWT and Swing and List and explain various swing layouts and components with examples.</li> <li>4. Write a Java Client and Server Program to get date time from server on the client request.</li> </ol>	<b>3-3-2016</b>
<b>4</b>	<ol style="list-style-type: none"> <li>1. What are cookies and sessions? How can you use them in Java EE? Compare them</li> <li>2. What is filter? What is its use? List the different filter interfaces with their important methods.</li> <li>3. Develop any Servlet application which demonstrates use of session management.</li> <li>4. Explain Prepared statements with suitable example</li> </ol>	<b>1-4-2016</b>