

**PARUL UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**Diploma Engineering, Mid semester Examination**

**Semester: 5th**  
**Subject Code: 03606303**  
**Subject Name: ADVANCE JAVA PROGRAMMING**

**Date: 08/08/2022**  
**Time: 1hr: 30min**  
**Total Marks: 40**

**Instructions:**

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

<b>Q.1</b>	<b>Answer any six out of Ten. (2 Marks Each)</b>	<b>(12)</b>
	1. What is Applet?	
	2. What is AWT?	
	3. What is Swing?	
	4. Define JDBC and JDBC API.	
	5. Draw the Hierarchy of AWT.	
	6. What is Layout Management?	
	7. List out ways of creating Frame in AWT.	
	8. Draw diagram for JDBC Type-3 Driver.	
	9. List out the method of Frame.	
	10. What is Window?	
<b>Q.2</b>	A) Explain how to pass parameter in applet with program.	<b>(03)</b>
	<b>OR</b>	
	A) Explain ResultSet in details.	<b>(03)</b>
	B) List out and explain 4 HTML tags for applet in detail.	<b>(03)</b>
	<b>OR</b>	
	B) Explain PreparedStatement in details.	<b>(03)</b>
	C) Explain difference between Applet and Application.	<b>(04)</b>
	<b>OR</b>	
	C) Explain difference between AWT and SWING.	<b>(04)</b>
	D) Explain life cycle of the applet with figure.	<b>(04)</b>
<b>Q.3</b>	A) Write a JDBC program to connect and fetch data from database.	<b>(03)</b>
	<b>OR</b>	
	A) Explain JDBC Components in details.	<b>(03)</b>
	B) Explain Border Layout with example.	<b>(03)</b>
	<b>OR</b>	
	B) Explain TextField GUI with example.	<b>(03)</b>
	C) List out and explain methods of applet.	<b>(04)</b>
	<b>OR</b>	
	C) Explain Following Methods: getConnection(), executeQuery(), execute(), executeUpdate()	<b>(04)</b>
	D) Explain JDBC Architecture with Appropriate Diagram	<b>(04)</b>