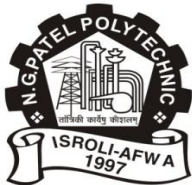| This document is a part of Main Course File | Document No.: CFM – 8 |
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| | INFORMATION TECHNOLOGY |

**FORMAT FOR ASSIGNMENTS**

**Course Name (With Code):- Advance Java Programming (4351603)**

**Semester / Year: FIfth/Third**

**Assignment Number: 04**

**Assignment CO Number: 4351603.d**

| Sr. No. | Questions related to Course Outcomes |
|---|---|
| Part – A | **Questions carrying 3 Marks** |
| 1 | List Scripting Elements of JSP and explain expressions scripting element with an example. |
| 2 | Write a simple JSP program to print "Hello World". |
| 3 | Explain JSP Expressions. |
| Part – B | **Questions carrying 4 Marks** |
| 1 | Write Short note on JSP scripting elements. |
| 2 | Difference between JSP and Servlet. |
| 3 | Explain how to pass parameters in JSP file from an HTML file with an Example. |
| 4 | Explain implicit objects in JSP. |
| 5 | Explain why JSP is preferred over servlet. |
| Part – C | **Questions carrying 7 Marks** |
| 1 | Explain life cycle of JSP page. |
| 2 | What is cookie? Write a JSP program demonstrating how session management can be achieved using cookies, including the necessary HTML files. |
| 3 | Create a JSP program that acts as a simple calculator. The program should have a HTML form with two textboxes where users can input numbers and a dropdown menu to select an operation (addition, subtraction, multiplication, or division). When the user submits the form, the entered numbers and the chosen operation should be sent to the next page. On the next |

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| page, the program should calculate the result based on the chosen operation and display it. | |
| | |
| **Prepared By: Mrs. M. S. Patel** | **Signature of Head of Department** |