**On-Line Practical Test – Enterprise Application Development** Duration: 1 hour – Total Marks: 15

**Student name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll no: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Create an application to calculate the EMI (Equal Monthly Installment), and (if customer wants to  fore close the loan, then) the final outstanding amount to be paid.

The application should first check the eligibility of the customer and determine the loan amount to  be sanctioned depending on their income.

The application then should calculate the EMI as per the loan amount, tenure, and rate of interest. If the customer wishes to close the loan before the end of tenure, then the application should levy  pre closure charges, interest charges on the outstanding principal amount and the penalty charges. You as a member of the development team need to develop a session bean that supports the  following operations:

1. **Operation1:** A create method that takes “Loan Amount, Tenure and Rate of interest” as parameter. 2. **Operation 2:** A business method that returns total amount to be paid if loan is closed before the  end of tenure. [Amount should be sum of Principal amount and pre closure charges]  *3.* Create a web application(JSP page/Servlet) to test all the functions created above ***Note:***

**EIM formula: l x r [(1+r)n/ (1+r)n- 1] x 1/12**

**l: loan amount**

**r: rate of interest**

**n: team of the loan.**

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| **Enterprise Application Development** | | | |
|  | 01.0 |  | Mark for EJB application for EMI calculation. |
|  | 03.0 |  | Marks for creating operation1. |
|  | 03.0 |  | Marks for creating operation 2. |
|  | 04.0 |  | Marks for creating web application. |
|  | 03.0 |  | Marks for deploying and executing the application. |
|  | 01.0 |  | Mark for programming style. |
|  | **15.0** |  | **Total Marks** |