Examination	: **Block Exam**	**Seat No.**	:
Date	:	**Day**	:
Time	:	**Max. Marks**	: 36

INSTRUCTIONS:
1. Figures to the right indicate maximum marks for that question.
2. The symbols used carry their usual meanings.
3. Assume suitable data, if required & mention them clearly.
4. Draw neat sketches wherever necessary.

Q.1 **Do as directed**.
   (a) Explain rebind and lookup method used in RMI. [2]
   (b) Explain scrollable ResultSet. [2]
   (c) What is the difference between declaring a variable with a declaration tag and with scriptlets? [2]
   (d) State the difference between request parameters and attributes. [2]
   (e) Differentiate ejbCreate() and ejbPostCreate(). [2]
   (f) State callback method of SessionBean. [2]

Q.2 Attempt **Any Two** from the following questions.
   (a) Explain Prepared statement and Callable statement in detail with example. [6]
   (b) Write an RMI application which performs the addition of two integer numbers. Write appropriate interfaces and classes to implement the RMI application. [6]
   (c) What is the purpose of directives in jsp? How many different types of directives are there? Explain any four attributes of page directive. [6]

Q.3 (a) Create a Custom Tag named product, which is used to display product information. The product tag has following attributes: name, price and yearofmanufacturer. [6]
   (b) Explain lifecycle of Entity Bean and callback method of EntityBean. Also explain CMP and BMP bean in detail. [6]

OR

Q.3 (a) Create native method to print sum of two integer number. Write .C and .java file and write down steps to execute JNI program. [6]
   (b) Explain the idea of session management in web application. What are the different approaches for session tracking? Explain them in brief. [6]