SUBJECT : **Advanced Java Pragramming(J2EE)**		DATE :
TIME : **2 ½ Hours**		MARKS : 70

Q.-1

a) Answer the following questions [4]
  1 JNDI Stands for _____
  2 What is container?
  3 What is JDBC?
  4 _____ method is used send precompiled query to the database.

b) Attempt any one out of two from the following [2]
  1 Explain DatabaseMetadata
  2 List out J2EE APIs.

c) Attempt any one out of two from the following [3]
  1 Explain JDBC driver types.
  2 Write steps to connect database using JDBC with Java application.

d) Attempt any one out of two from the following [5]
  1 Explain JDBC Architecture.
  2 Explain J2EE Architecture.

Q.-2

a) Answer the following questions [4]
  1 RMI stands for _____
  2 _____ is the server-side proxy of the remote object.
  3 RRL stands for _____
  4 What is deployment descriptor?

b) Attempt any one out of two from the following [2]
  1 List out Servlet APIs.
  2 Explain Servlet Collaboration.

c) Attempt any one out of two from the following [3]
  1 Explain Stub and Skeleton.
  2 Explain URL Rewriting and Session.

d) Attempt any one out of two from the following [5]
  1 Explain RMI Architecture.
  2 Explain Servlet life cycle.

Q.-3

a) Answer the following questions [4]
  1 What is use of taglib directives.
  2 List out JSP implicit objects.
  3 List out action elements.
  4 What is Cookies?

b) Attempt any one out of two from the following [2]
  1 Explain scope of JSP objects
  2 Explain Include and Forward action

c) Attempt any one out of two from the following [3]
  1 Explain scripting elements.
  2 Explain JavaBeans.

d) Attempt any one out of two from the following   [5]
    1 Explain JSP Life Cycle.
    2 Explain JSP Architecture.

Q.-4
a) Answer the following questions   [4]
    1 MVC stands for _____
    2 EJB stands for _____
    3 JPA stands for _____
    4 Explain Hibernate Inheritance.
b) Attempt any one out of two from the following   [2]
    1 Explain hibernate config file.
    2 Explain hibernate mapping file.
c) Attempt any one out of two from the following   [3]
    1 Explain features of Hibernate.
    2 What is EJB? Explain types of EJB.
d) Attempt any one out of two from the following   [5]
    1 Explain MVC Architecture.
    2 Explain Hibernate Architecture.

Q.-5
a) Answer the following questions   [4]
    1 POJO stands for _____.
    2 IOC stands for _____.
    3 What is Struts?
    4 _____ is a framework of frameworks.
b) Attempt any one out of two from the following   [2]
    1 What is Dependency Injection?
    2 Explain AOP.
c) Attempt any one out of two from the following   [3]
    1 Explain ActionForm and Action object of Struts.
    2 Explain IOC Containers.
d) Attempt any one out of two from the following   [5]
    1 Explain Spring architecture.
    2 Explain Struts flow of control.