

Geetanjali Cheritable Trust Sanchalit
GEETANJALI COLLEGE OF COMPUTER SCIENCE & COMMERCE (BBA)
PRELIM EXAM
B.C.A. SEM – 5

SUBJECT : Advanced Java Programming(J2EE)
TIME : 2 ½ Hours

DATE :
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.