MCA (Sem.-2)
ADVANCED JAVA
Subject Code : PGCA/1918
M.Code : 79617
Date of Examination : 15-05-2024

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying TEN marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A

1. Answer Briefly :

   a. What do you mean by cookies?

   b. What is a session?

   c. What is JSP?

   d. What are struts?

   e. How is session management done in JSP?

   f. What is the basic principle of RMI architecture?

   g. What is the purpose of CORBA?

   h. What are the major advantages of using Hibernate framework?

   i. State the constructor of SimpleBeanInfo Class.

   j. What do you mean by JavaBeans?

SECTION-B

2. **Answer the following :**

    a. Define the init() method of a Servlet. Explain in detail.

    b. How cookies are used to track a session? Write a program in support of your answer.

3. **Answer the following :**

    a. Why is JSP preferred over Servlets? Explain.

    b. What is the use of page and include directive tags?

4. Explain the various components of struts framework.

5. What is MVC architecture in struts framework? Explain the basic architecture of model, view, controller in struts.

SECTION-C

6. Write a program to show remote interface using remote method invocation.

7. What are the main components of CORBA architecture? Explain in detail.

8. Explain Hibernate architecture in detail.

9. **Answer the following :**

    a. List and explain any 2 classes available in Javabeans package.

    b. What is the difference between Stateful and Stateless session beans?