



K21P 0421

Reg. No. : .....

Name : .....

**IV Semester M.C.A./M.C.A.(Lateral Entry) Degree (CBSS – Reg./Supple.  
(Including Mercy Chance)/Imp.) Examination, May 2021  
(2014 Admission Onwards)**

**MCA4C19: ADVANCED JAVA PROGRAMMING**

Time : 3 Hours

Max. Marks : 80

**SECTION – A**

Answer **any ten** questions. **Each** question carries **three** marks. **(10×3=30)**

1. What are common tasks performed by Servlets Container ?
2. List the differences between ServletConfig and ServletContext.
3. What are the significant features of the init method ?
4. Mention the key roles of Remote Interface in RMI.
5. List out the binding in RMI.
6. List out the steps involved to make work a RMI program.
7. Mention the purpose of using RMI Security Manager in RMI .
8. What are the uses of directory service ?
9. Mention the uses of singleton session bean.
10. List out the directives available in JSP.
11. What are the disable a session on a particular JSP page ?
12. List out the uses of implicit objects.

P.T.O.



## SECTION – B

Answer **all** questions. **Each** question carries **ten** marks. **(5×10=50)**

13. a) i) List and explain any six methods of HttpServlet Request class **5**  
ii) Write a Servlet program to check whether the session is new or old. **5**

OR

- b) Explain Servlet life cycle methods with example. **10**

14. a) i) Briefly explain CORBA object creation with suitable examples. **5**  
ii) What is the use of Java.rmi.remote Interface in RMI ? **5**

OR

- b) Write a program to implement an examination control system using RMI in which the Server has all the student information and the student objects can be accessed from any client. **10**

15. a) What is JNDI ? List and explain some of the resource that can be looked up using JNDI. **10**

OR

- b) What are the attributes ? Explain attribute interfaces in JNDI. **10**

16. a) What is a Java bean ? What are the key concepts of Java bean ? List out the advantages of Java bean. **10**

OR

- b) Briefly explain implementations of session beans in EJB. **10**

17. a) i) What are the need, benefits and advantages of JSP ? **5**  
ii) Write a JSP program to include an applet along with necessary applet code. **5**

OR

- b) Write a JSP program to which uses <jsp: forward>and <jsp: include>action tags. **10**