

K16P 0719

Reg. No. : .....

Name : .....

IV Semester M.C.A. Degree (Reg./Supple./Imp.)  
Examination, July 2016  
(2014 Admn.)

MCA 4C19 : ADVANCED JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **any ten** questions, **each** question carries **three** marks.

1. Mention the various uses different requests.
2. What is Servlet chaining ?
3. How to handle errors in Servlet ?
4. What are the services of RMI object ?
5. Mention the functions of IDL.
6. List out the key roles of RMI classes.
7. What are the steps involving in binding objects ?
8. How to initialize the context class ?
9. What are the roles of Enterprise Java Beans (EJB) ?
10. Mention the various changes of EJB 1.1 specifications.
11. What are the main functions of JSP actions ?
12. List out the various error handling methods in JSP. (10×3=30)

SECTION – B

Answer **all** questions, **each** question carries **ten** marks.

13. a) Explain briefly architecture of Java Servlet with neat diagram. 10
- OR
- b) Define cookies, discuss briefly pros and cons of cookies. 10

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14. a) i) Discuss briefly the remote object classes and access with suitable examples. 5  
ii) Describe the stub and skeleton creation with suitable examples. 5

OR

- b) Explain in detail about the various services offered by ORB. 10

15. a) i) Discuss naming and accessing directory services in JNDI. 5  
ii) Explain the architecture of JNDI. 5

OR

- b) How to manage searching, searching criteria and searching results in JNDI? Explain with suitable examples. 10

16. a) Explain with suitable examples, the deployment of an EJB. 10

OR

- b) i) Write a sample Java Beans, which explains the concepts of Beans features. 5  
ii) Compare and contrast enterprise beans and entity beans, briefly. 5

17. a) i) Explain the sharing data between JSP with suitable examples. 5  
ii) How to generate dynamic content in JSP? 5

OR

- b) Explain briefly declaration of variables and various methods of error handling techniques in JSP. 10