

(i) Printed Pages: 2 Roll No.

(ii) Questions : 9 Sub. Code :

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M.Sc. Information Technology 2nd Semester

1059

ADVANCED JAVA AND NETWORK PROGRAMMING

Paper-M.S-45

Time Allowed : Three Hours]

[Maximum Marks : 80

Note :- Attempt **five** questions in all. Attempt **one** question each from Units I to IV and each carries **15** marks. Unit V is compulsory and carries **20** marks.

UNIT—I

1. Write a Java program for creating a thread by extending thread class. 15
2. Explain the various Swing containers in Java with example. 15

UNIT—II

3. Write a program to create new database using JDBC application.
4. Differentiate between Marshalling and Unmarshalling in Java RMI. Also explain briefly the working of an RMI application. 15

UNIT—III

5. Write a Java Servlet program for printing the client IP address and current date time. 15
6. Write a Java program for getting file size from a server. 15

UNIT—IV

7. Explain the life cycle of JSP and support it with creating simple JSP page. 15
8. Write a Java Program for displaying applets in JSP. 15

UNIT—V

9. (i) Why Swing is called light weight ?
- (ii) What is difference between ServletConfig and ServletContext ?
- (iii) What is the role of the JDBC DriverManager class ?
- (iv) What is the difference between ServletContext and PageContext ?
- (v) What is meant by binding in RMI ? 5×4=20