

M.Sc. (Part-II) Semester-III (CBCS) Examination
COMPUTER SCIENCE
3 MCS3 CLIENT SERVER COMPUTING

Time : Three Hours]

[Maximum Marks : 80

N.B.:— (1) Assume suitable data wherever necessary.

(2) Illustrate your answer with the help of neat sketches, wherever necessary.

1. (A) Write any Java program that describes the use of URL class. 7
- (B) Describe in brief classes and interfaces of java.net package. 6

OR

2. (A) Explain any three methods of 'Socket' class. 6
- (B) Describe 'URLConnection' class. 7
3. (A) Write a program to insert some records in a MySql/Oracle database table using 'PreparedStatement'. Assume suitable data. 8
- (B) Write a program to modify a database table structure. Assume suitable data. 7

OR

4. (A) What is Stored Procedure ? How to call it from Java Program ? Explain with suitable example. 7
- (B) Assume a MySql/Oracle table 'STU_DATA' with fields (NAME, ROLLNO, ADDRESS, CITY). Write a program in Java to add field BIRTH_DATE and change field ROLLNO to RNO. Assume suitable data and quote about assumed database and type of driver. 8
5. (A) What are the requirements for running a servlet ? Explain. 6
- (B) What is Session ? Describe the various ways of implementing sessions. 7

OR

6. (A) Compare and contrast Http 'GET' and 'POST' methods. 5
- (B) Write any four methods of 'HttpServletResponse'. 8
7. (A) Explain the use of regular expressions in Javascript. 7
- (B) Explain with example any three methods of string object. 6

OR

8. (A) Describe how variables are declared and used in Javascript. Give examples. 5
(B) Explain in brief Data and Math object of Javascript. 8
9. (A) Describe in brief the classes and interfaces of RMI package. 7
(B) State and explain the architecture of RMI. 6

OR

10. Write and explain a client-server RMI application to find circumference of a given circle of radius r. 13
11. (A) Describe exception handling in JSP. 7
(B) Explain `jsp:getProperty` by means of suitable example. 6

OR

12. (A) What is scriptlet in JSP ? Explain with example. 6
(B) What is Java bean ? Write any small program which is a Java bean. 7