11. (A) What are expressions in JSP ? Explain with example. 8

(B) How properties can be added to a java bean ? Explain. 5

OR

12. (A) Describe life cycle of JSP. 7

(B) What is bean ? Explain bean scope in detail. 6

AQ – 1040

Third Semester M. Sc. (Part – II) (CBCS Pattern) Examination

COMPUTER SCIENCE

Client – Server Computing

3 MCS 3

P. Pages : 4

Time : Three Hours] [Max. Marks : 80

Note : (1) Use suitable data wherever necessary.
(2) Illustrate your answer with the help of neat sketches wherever necessary.

1. (A) Explain :—

(i) Domain Naming Service.

(ii) Proxy Servers. 6

(B) Explain different socket classes provided by Java. 7

OR

2. (A) What is meant by network socket ? Give its overview. 6

(B) What is URL ? Write a java program using URL to display properties of some web page. Assume suitable data. 7

3. (A) What is JDBC ? Explain types of Drivers. 5

(B) Write a progarm in java to insert names stored in an array to database table of MySql or Oracle, using preparaed statement. Assume suitable data. Quote about assumed database and type of driver. 9

OR

4. (A) Explain with example any three methods of Result Set class. 6

(B) Assume a Mysql or Oracle database table 'marks' with fields (NAME, ROLLNO, SUB1, SUB2, SUB3, TOTAL, PERCENT). Write a progarm to update this table for TOTAL and PERCENT such that TOTAL=SUB1+SUB2+SUB3, PERCENT = TOTAL/3.0 8

5. (A) What is servlet ? Describe its structure and lifecycle. 7

(B) What are cookies ? Write a servlet which reads and writes cookies. 6

OR

6. (A) What is GET and POST method ? Compare and contrast. 5

(B) Describe any four methods of HttpServlet Request. 8

7. (A) What is Jawascript ? What is it used for ? Describe. 5

(B) Explain the control statements provided by Jawascript. Give examples. 9

OR

8. (A) Explain with example any four methods of Math object. 6

(B) How Jawascript utilizes regular expressions ? Explain with example. 8

9. (A) What is RMI ? Explain with suitable example, steps needed to build an RMI application. 8

(B) What are stubs and skeletons ? Explain. 5

OR

10. Write a client server RMI application to convert a given temperature from Fahrenheit to celsius where celsius = 5/9 * (fahrenheit - 32) 13