

AR-2517

Faculty of Engineering & Technology
M.C.A. Second Year Semester-II (C.G.S.) Examination
CLIENT SERVER COMPUTING

(15529)

Paper—4 MCA 2

Time : Three Hours]

[Maximum Marks : 80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry marks as indicated.
- (2) Due credit will be given to neatness and adequate dimensions.
- (3) Assume suitable data wherever necessary.
- (4) Illustrate your answers wherever necessary with the help of neat sketches.
- (5) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) What is the purpose of URL class ? Explain with example. 7
- (b) Explain the methods and constructor of Datagram Socket. 7

OR

2. (a) How does server send data to a client over network ? Explain with example. 7
- (b) What is multicasting ? Explain with example. 7
3. (a) Write a JDBC program to insert a record and delete a record from the database. 7
- (b) What is Statement Interface ? Explain methods of Statement Interface. 7

OR

4. (a) What is callable Statement ? Explain with example. 7
- (b) What is JDBC ? Explain the type of JDBC driver in detail. 7

5. (a) Write a program to create the DTD for Book Information. 7
(b) Explain the following terms :
(i) DOM
(ii) SAX. 6

OR

6. (a) How Namespace are used in XML ? Explain with example. 6
(b) Explain the structure of XML document. 7
7. (a) What is cookie ? Explain with example. 7
(b) Explain the interfaces and classes used in Javax.servlet package. 6

OR

8. (a) Explain the life cycle of servlet. 6
(b) Write a servlet program that demonstrates to handling HTTP Get request. 7
9. (a) Explain the following terms :
(i) Stub
(ii) Skeleton. 6
(b) What is serialization ? Explain the role of serialization in RMI. 7

OR

10. (a) Explain the architecture of RMI application. 6
(b) Write a program to create a client/server application using RMI. 7
11. (a) What are the advantages of JSP ? 6
(b) Explain the properties of beans in detail. 7

OR

12. (a) What is serialization ? Explain. 7
(b) What are the advantages of Java Bean ? 6