Exam Date & Time: 30-Sep-2020 (10:00 AM - 01:45 PM)

PSG COLLEGE OF ARTS AND SCIENCE

Note: Writing 3hrs: Checking & Inserting Image : 30mins + Grace Time : 15mins

BSc DEGREE EXAMINATION MAY 2020
(Sixth Semester)

Branch - COMPUTER TECHNOLOGY

CORE ELECTIVE - II CLIENT SERVER TECHNOLOGY [15CTU38A]

Marks: 75   **Duration: 225 mins.**

SECTION A

Answer all the questions.

1)   List out any four characteristics of client/server systems.

(2)

2)   What is server to server middleware?

(2)

3)   State any four base services needed for a server from an OS.

(2)

4)   Define transparency in the NOS middleware.

(2)

5)   Expand OLTP and SQL.

(2)

6)   What is JDBC? Explain the two major sets of interfaces that are provided by JDBC.

(2)

7)   List out the components of groupware.

(2)

8)   What is Lotus notes/ domino? Write down the use of them.

(2)

9)   What is a component?

(2)

10)   Define CORBA objects.

(2)

SECTION B

Answer all the questions.

11)   Describe about Fat server and Fat client.

(5)

a)

[OR]   Prepare a note on what is inside the building blocks of client/server system.

b)   (5)

12)   Explain the categories of clients.   (5)

a)

[OR]   Discuss about server OS trends.
b)   (5)

13)   Prepare a note on OLE DB and ADO.

                                                                                               (5)

a)

[OR]   Explain briefly data mining and the search methods which are used by the most data
b)   mining tools.   (5)

14)   Describe about chained and nested transactions.

                                                                                               (5)

a)

[OR]   Narrate any five benefits if TP monitor.
b)   (5)

15)   Explain the type of facilities provided by server-side components.

                                                                                               (5)

a)

[OR]   Prepare a short note on the anatomy of a CORBA business object with a diagram.
b)   (5)

SECTION C

Answer 3 out of 5 questions.

16)   Discuss how bridges, routers and gateways are used in a modern backbone network.
                                                                                               (10)

17)   Describe about the shared private key approach and the public / private key approach to
         encryption.   (10)

18)   Elucidate all the three SQL database server architectures with diagrams.
                                                                                               (10)

19)   Discuss the electronic mail infrastructure and internet mail protocols: SMTP, IMAP and
         POP.   (10)

20)   Summarise what COBRA does on the client side and also draw the structure of a
         CORBA 2.0 ORB.   (10)

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