

END SEMESTER EXAMINATION, MAY/JUNE - 2019
BCA SIXTH SEMESTER

COURSE CODE: BCA306**COURSE TITLE: CLIENT SERVER COMPUTING****[Time allotted: Three hours]****[Max. Marks: 100]****Note:** Attempt all Sections & Questions.

Section (A)

Q.1. Attempt all questions.**(2 x 10 = 20)**

- a. What is client server computing?
- b. What are client server hardware and software?
- c. Define rightsizing?
- d. Explain SSL.
- e. What is network operating system?
- f. Explain OSI model.
- g. Define RPC.
- h. What are the different layers of TCP/IP protocol stack?
- i. Explain downsizing.
- j. What does transparency mean?

Section (B)

Q.2. Attempt any 5 questions.**(7 x 5 = 35)**

- a. Write short note on two tier client server architecture with neat diagram.
- b. What are the classes of client server applications?
- c. What are the functions of the typical server program?
- d. What are the main components of Transaction-based Systems?
- e. Discuss in detail about web client server and internet.
- f. What is the need of Dynamic data exchange?
- g. Why system administration training required?

Section (C)

Attempt any 3 questions.**(15 x 3 = 45)**

- Q.3.**
 - a. Explain client server components in client server computing.
 - b. Explain different features of server machine.
- Q.4.**
 - a. Explain Network management Environment in detail.
 - b. What is client server architecture? Differentiate File Server Vs Client Server Database Deployment.
- Q.5.**
 - a. What is the measures should be kept in mind when evaluating server hardware?
 - b. Explain the working principal of CDROM and Notebook.
- Q.6.**
 - a. What is Inter Process communication and what are the services provided by IPC? Explain various protocols used for IPC.
 - b. Diagrammatically illustrate and discuss the working of RPC call.
- Q.7.**
 - a. Discuss about Client Server Development Tools.
 - b. Write the CORBA-ORB architecture in detail.
