Printed Pages :3

*2144 *

418

NMCA-012

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 214430

Roll No. | | | | | | | | | | |

SPL. THEORY EXAMINATION, 2014-15

CLIENT SERVER COMPUTING

Time : 3 Hours] *[Total Marks : 100*

Q.1. Attempt any two of the following: (10×2=20)

(a) Describe important characteristics of client-server computing model.

(b) (i) Describe role of client program in client-server computing model.

(ii) Explain architecture of centralized multi-user system.

(c) Write and describe important types of client server development tool.

Q.2. Attempt any two of the following: (10×2=20)

(a) Describe RPC model. Write the advantages of RPC model over ordinary procedure call model.

(b) Describe relative merits and demerits of networks operating system over the centralized operating system. Explain the difficulties in design of network operating system.

(c) Describe the common object request broker architecture? Explain the CORBA event, notification and security services.

Q.3. Attempt any two of the following: (10x2=20)

(a) Describe Inter process communication services. What are the blocking and non-blocking types of IPC? Discuss their relative advantages and disadvantages.

(b) Write and briefly explain basic hardware and software requirement in client-server system development.

(c) Explain the following in brief:

(i) Token ring protocol

(ii) FDDI

Q.4. Attempt any two of the following: (10×2=20)

(a) What is important goals RAID technology? How these can be achieved? Explain.

(b) Write and describe popular types of data storage system. Write the merits and demerits of each.

(c) What do you understand by network management and remote system management? Explain and differentiate both of them.

Q.5. Attempt any two of the following: (10×2=20)

(a) Write and describe main issues involved in the training of system administration personnel and end user.

(b) List the services provided by client-server system. Explain the possible development of client-server computing system in future.

(c) Write short notes on OLE.

—x—