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B.Tech. (IT) (2012 to 2017) (Sem.-6)

NETWORKING PROGRAMMING

Subject Code : BTIT-601

M.Code : 71171

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A

1. Answer briefly :

- Differentiate between job control and non job control.
- What is shell programming?
- What is a pipe? How it is created in Unix?
- What advantage FIFO have over pipes?
- Describe mmap function and its uses.
- Write a note on NetBIOS.
- What is UDP Protocol?
- When does the server process crashes?
- What is I/O multiplexing?
- Explain transport endpoint address format. Why TLI defines generic structure for address format?

SECTION-B

2. What are the properties of FIFO and Pipe?
3. Differentiate between Posix message queues and System V message queues.
4. Brief the way in which TCP client server is different from UDP client server.
5. Explain XNS.
6. Write a note on System V transport layer.

SECTION-C

7. Write briefly POSIX Signal Handling and Termination of Server Process.
8. What is I/O Multiplexing? Explain different types of Synchronous and asynchronous I/O models.
9. Describe the UDP Echo server functions and lost datagram with an example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.