

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 09

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 :**

- a. Differentiate between job control and non job control.
- b. What is shell programming?
- c. What is a pipe? How it is created in Unix?
- d. What advantage FIFO have over pipes?
- e. Describe mmap function and its uses.
- f. Write a note on NetBIOS.
- g. What is UDP Protocol?
- h. When does the server process crashes?
- i. What is I/O multiplexing?
- j. 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.