CBCS SCHEME

18SCN22

(10 Marks)

Second Semester M.Tech. Degree Examination, June/July 2019 Network Programming

Time: 3 hrs.

NGALORE

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

	Module-1	
a.	Explain client/server communication over different network applications.	(10 Marks)
b.	Explain the layered architecture of OSI model and IP suite.	(10 Marks)
	OR	
		(10 Marks)
b.	Explain BSD networking history.	(10 Marks)
Modrific 2		
a.		(10 Marks)
b.		(10 Marks)
	pulses in the process to kerner hy rectifier	(10 Marks)
0		
		(10 Marks)
0.	write a note on . 1) socket function ii) connect function.	(10 Marks)
	Module-3	
a.	Explain socket function for SCTP one-to-many style.	(10 Marks)
b.	Write a note on: i) 'sctp_bindx' function ii) 'sctp_connectx' function.	(10 Marks)
-	Explain now shutdown function works to close a SCIP association. Explain IPV6 client IPV4 server interpreparability searchis.	(10 Marks)
U.	Explain it vo cheft, if v4 server interoperating scenario.	(10 Marks)
	Module-4	
a.		(10 Marks)
b.	Explain 'recv' and 'send' function with syntax, flags and examples.	(10 Marks)
		(10 Marks)
υ.	Explain the steps involved in passing descriptor between two process.	(10 Marks)
Module-5		
a.		(10 Marks)
b.	Explain datalink socket address structures.	(10 Marks)
OR 10 a. Write a note on: TCP out-of-band data. (10 Marks)		
a.	Write a note on TCP out-of-band data.	(10 Marks)
	a. b.a. b.a. b.a. b.	a. Explain client/server communication over different network applications. b. Explain the layered architecture of OSI model and IP suite. OR a. Write a note on i) UDP ii) SCTP. b. Explain BSD networking history. Module-2 a. Compare various socket address structures. b. Explain how socket address structure passed from: i) process to kernel ii) Kernel OR a. Write a program to determine host byte order. b. Write a note on: i) 'socket' function ii) 'connect' function. Module-3 a. Explain socket function for SCTP one-to-many style. b. Write a note on: i) 'setp_bindx' function ii) 'setp_connectx' function. OR a. Explain how 'shutdown' function works to close a SCTP association. b. Explain IPV6 client, IPV4 server interoperability scenario. Module-4 a. Define demon process. Explain 'syslogd' daemon process implementations. b. Explain 'recv' and 'send' function with syntax, flags and examples. OR a. Explain the steps performed by inetd with neat flow diagram. b. Explain the steps involved in passing descriptor between two process. Module-5 a. List and explain any two loctl operations in detail. b. Explain datalink socket address structures. OR

b. Explain the basic functions to create and terminate the threads.

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2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.