A

KGiSL INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

CLASS:	:	III B.Tech IT	MAX MARKS	:	75
SEMESTER:	:	VI	DURATION	:	02:00 Hrs
SUBJECT:	:	Mobile Computing	CODE	:	IT6601
COURSE NO	:	C311	DATE	:	25.01.2019
ACADEMIC YEAR	:	2018 – 19 (EVEN)	EXAM	:	INT TEST 1

PART – A (10 X 2 = 20 Marks)

I   ANSWER ALL QUESTIONS

		BT Level	Course Outcome
1.	What is Mobile Computing?	R	C311:1
2.	What are different Random Assignment Scheme in MAC?	U	C311:1
3.	What is MAC protocol?	R	C311:1
4.	What are all the characteristics of mobile computing?	R	C311:1
5.	What is TDMA?	R	C311:1
6.	What is Mobile IP?	R	C311:2
7.	Define COA	U	C311:2
8.	Define DHCP	U	C311:2
9.	What is route optimization?	R	C311:2
10.	What is slow start?	R	C311:2

PART – B (3 X 13 = 39 Marks)

II   ANSWER ALL QUESTIONS

				BT Level	Course Outcome
11.	(a)	(i)	Explain the wireless MAC issues in detail.	8 R	C311:1
		(ii)	Explain various applications of mobile computing.	5 U	C311:1
			(OR)		
	(b)	(i)	Explain Fixed Assignment scheme with a neat diagram.	7 R	C311:1
		(ii)	Explain about structure of mobile computing application.	6 U	C311:1
12.	(a)	(i)	Explain about Reservation Based Schemes	5 R	C311:1
		(ii)	Explain about Characteristics of Mobile Computing	8 R	C311:1
			(OR)		

A

	(b)	(i)	Explain IP-within-IP encapsulation in detail	7	R	C311:2
		(ii)	Explain about Architecture of TCP/IP	6	U	C311:2
13.	(a)	(i)	Explain about TCP/IP and protocols	13	U	C311:2
			(OR)		
	(b)	(i)	Explain about terminologies involved in Mobile IP	13	R	C311:2

PART – C (1 X 16 = 16 Marks)

III   ANSWER ALL QUESTIONS

				BT Level	Course Outcome
08.	(a)	(i)	Explain about Key Mechanism in Mobile IP	8 U	C311:2
		(ii)	Explain about Improvement in TCP Performance	8 U	C311:2

COURSE OUTCOMES	
C311:1	Understand the basic concepts of mobile computing.
C311:2	Be familiar with the network protocol stack.
C311:3	Learn the basics of mobile telecommunication system.
C311:4	Be exposed to Ad-Hoc networks.
C311:5	Gain knowledge about different mobile platforms and application development.

BLOOMS TAXONOMY LEVELS	
R	Remember
U	Understand
AP	Apply
AN	Analyze
E	Evaluate
C	Create

Staff I/C(s)   HOD   Principal

B

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I   ANSWER ALL QUESTIONS

		BT Level	Course Outcome
1.	What is Mobile Computing?	R	C311:1
2.	What are different Random Assignment Scheme in MAC?	U	C311:1
3.	What is MAC protocol?	R	C311:1
4.	What are all the characteristics of mobile computing?	R	C311:1
5.	What is CDMA?	R	C311:1
6.	What is Mobile IP?	R	C311:2
7.	Define COA	U	C311:2
8.	Define BOOTP.	U	C311:2
9.	What is agent discovery?	R	C311:2
10.	What is slow start?	R	C311:2

PART – B (3 X 13 = 39 Marks)

II   ANSWER ALL QUESTIONS

				BT Level	Course Outcome
11.	(a)	(i)	Explain the wireless MAC issues in detail.	8	R	C311:1
		(ii)	Explain various applications of mobile computing.	5	U	C311:1
			(OR)			
	(b)	(i)	Explain Random Assignment scheme with a neat diagram.	7	R	C311:1
		(ii)	Explain about structure of mobile computing application.	6	U	C311:1
12.	(a)	(i)	Explain about Reservation Based Schemes	5	R	C311:1
		(ii)	Explain about Characteristics of Mobile Computing	8	R	C311:1
			(OR)			

B

	(b)	(i)	Explain IP-within-IP encapsulation in detail	7	R	C311:2
		(ii)	Explain about Architecture of TCP/IP	6	U	C311:2
13.	(a)	(i)	Explain about TCP/IP and protocols	13	U	C311:2
			(OR)			
	(b)	(i)	Explain about terminologies involved in Mobile IP	13	R	C311:2

PART – C (1 X 16 = 16 Marks)

III   ANSWER ALL QUESTIONS

				BT Level	Course Outcome
08.	(a)	(i)	Explain about Key Mechanism in Mobile IP	8	U	C311:2
		(ii)	Explain about Improvement in TCP Performance	8	U	C311:2

COURSE OUTCOMES	
C311:1	Understand the basic concepts of mobile computing.
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