A

Roll Number								

KGiSL INSTITUTE OF TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY

CLASS:	:	B.Tech IT	MAX MARKS	: 100
SEMESTER:	:	VI	DURATION	: 03:00 Hrs
SUBJECT:	:	Mobile Computing	CODE	: IT6601
COURSE NO	:	C311	DATE	: 16-03-2019
ACADEMIC YEAR	:	2018 – 2019 (EVEN)	EXAM	: MODEL 1

PART – A (10X 2 = 20 MARKS)

		BT LEVEL	COURSE OUTCOME
I	**ANSWER ALL QUESTIONS**		
1.	Define Mobile Computing	R	C 311.1
2.	What is use of MAC protocols in networks.	R	C 311.1
3.	Define COA.	R	C 311.2
4.	Define flow control.	R	C 311.2
5.	What are all services offered by GSM.	U	C 311.3
6.	Define GPRS.	U	C 311.3
7.	Define MANET	R	C 311.4
8.	What are reactive protocols?	R	C 311.4
9.	What are all the special constrains for mobile operating system?	R	C 311.5
10.	Define B2C applications	R	C 311.5

PART – B (5 X 13 = 65 MARKS)

			BT LEVEL	COURSE OUTCOME
II	**ANSWER ALL QUESTIONS**			
11.	(a)(i)	Explain about Hidden and Exposed terminal problem in wireless networks.	13	C 311.1
		(OR)		
	(b)(i)	Explain about Reservation Based allocation schemes in detail,	13	C 311.1
12.	(a)(i)	Explain the key mechanisms of mobile IP in detail.	13	C 311.2
		(OR)		
	(b)(i)	Explain about improvements done in TCP to adapt mobile networks.	13	C 311.2
13.	(a)(i)	Explain about GSM architecture in detail.	13	C 311.3
		(OR)		

A

	(b)(i)	Explain about UMTS architecture in detail.	13	C 311.3
14.	(a)(i)	Explain about DSDV routing protocol.	13	C 311.4
		(OR)		
	(b)(i)	Explain about DSR routing protocol.	13	C 311.4
15.	(a)(i)	Explain about M-Commerce in detail	13	C 311.5
		(OR)		
	(b)(i)	Explain about Android OS and it's SDK in detail.	13	C 311.5

PART – C (1 X 15 = 15 MARKS)

		BT LEVEL	COURSE OUTCOME
III	**ANSWER ALL QUESTIONS**		
16. (a)(i)	Explain in detail about security attacks done in MANET.	15	C 311.4
	(OR)		
(b)(i)	Explain about GPRS in detail.	15	C 311.3

COURSE OUTCOMES	
C305.1	Explain the basics of mobile telecommunication system
C305.2	Choose the required functionality at each layer for given application
C305.3	Identify solution for each functionality at each layer
C305.4	Use simulator tools and design Ad hoc networks
C305.5	Develop a mobile application.

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

Staff I/C(s) S.Devipriya HoD Principal

B

Roll Number								

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DEPARTMENT OF INFORMATION TECHNOLOGY

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SEMESTER:	:	VI	DURATION	:	03:00 Hrs
SUBJECT:	:	Mobile Computing	CODE	:	IT6601
COURSE NO	:	C311	DATE	:	16-03-2019
ACADEMIC YEAR	:	2018 – 2019 (EVEN)	EXAM	:	MODEL 1

PART – A (10X 2 = 20 MARKS)

I	ANSWER ALL QUESTIONS	BT LEVEL	COURSE OUTCOME
1.	Define Mobile Computing	R	C 311.1
2.	What is use of MAC protocols in networks?	R	C 311.1
3.	Define Agent Advertisement.	R	C 311.2
4.	Define flow control.	R	C 311.2
5.	What are all services offered by GSM.	U	C 311.3
6.	Define EDGE.	U	C 311.3
7.	Define VANET	R	C 311.4
8.	What are reactive protocols?	R	C 311.4
9.	What are all the special constrains for mobile operating system?	R	C 311.5
10.	Define B2B applications	R	C 311.5

PART – B (5 X 13 = 65 MARKS)

II	ANSWER ALL QUESTIONS	BT LEVEL	COURSE OUTCOME
11. (a)(i)	Explain about Hidden and Exposed terminal problem in wireless networks.	13	C 311.1
	(OR)		
(b)(i)	Explain about Fixed allocation schemes in detail,	13	C 311.1
12. (a)(i)	Explain the key mechanisms of mobile IP in detail.	13	C 311.2
	(OR)		
(b)(i)	Explain about improvements done in TCP to adapt mobile networks.	13	C 311.2
13. (a)(i)	Explain about GPRS architecture in detail.	13	C 311.3
	(OR)		
(b)(i)	Explain about UMTS architecture in detail.	13	C 311.3
14. (a)(i)	Explain about constrains for MANET design	13	C 311.4
	(OR)		
(b)(i)	Explain about DSR routing protocol.	13	C 311.4

B

15. (a)(i)	Explain about Mobile OS in detail	13	C 311.5
	(OR)		
(b)(i)	Explain about Android OS and it's SDK in detail.	13	C 311.5

PART – C (1 X 15 = 15 MARKS)

III	ANSWER ALL QUESTIONS	BT LEVEL	COURSE OUTCOME
16. (a)(i)	Explain in detail about security attacks done in MANET.	15	C 311.4
	(OR)		
(b)(i)	Explain about GSM in detail.	15	C 311.3

COURSE OUTCOMES	
C305.1	Explain the basics of mobile telecommunication system
C305.2	Choose the required functionality at each layer for given application
C305.3	Identify solution for each functionality at each layer
C305.4	Use simulator tools and design Ad hoc networks
C305.5	Develop a mobile application.

BLOOMS TAXONOMY LEVELS	
R	Remember
U	Understand
AP	Apply
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C	Create

for. S. Devipriya

Staff I/C(s)

HoD

Principal