Reg No.:_____ Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

SIXTH SEMESTER B.TECH DEGREE(S) EXAMINATION, DECEMBER 2019

Course Code: CS364

Course Name: MOBILE COMPUTING

Max. Marks: 100 Duration: 3 Hours

PART A

Answer all questions, each carries3 marks. Marks

1		Write a short note on middleware and gateways	(3)
2		Give examples for six mobile computing applications.	(3)
3		What is a handoff? What are the reasons for a handoff to be conducted?	(3)
4		Explain satellite systems and list out its types	(3)

PART B

Answer any two full questions, each carries9 marks.

5	a)	What are the different tiers in mobile computing architecture?- Describe the functions of each tiers.	(9)
6	a)	Describe about channel assignment strategy	(9)
7	a)	Describe GSM architecture with neat diagram	(9)

PART C

Answer all questions, each carries3 marks.

8		What are the main features of the WAP approach to transport connections?	(3)
9		Give short notes on classification of routing algorithms and list out its types.	(3)
10		How can DHCP be used for mobility and support of mobile IP?	(3)
11		Explain MAC architecture with figure.	(3)

PART D

Answer any two full questions, each carries9 marks.

12	a)	Explain about IEEE 802.11 protocol architecture	(9)
13	a)	Explain snooping TCP. What are it's advantages and disadvantages?	(9)
14	a)	Describe in detail about mobile transport layer	(9)

PART E

Answer any four full questions, each carries10 marks.

15		Explain in detail, Security issues in mobile computing with examples.	(10)
16		Write short notes on (a)Bluetooth (b) XML	(10)
17		Describe Networks LTE Architecture & Interface in detail.	(10)
18		Explain the features of (a)PalmOS (b) Android	(10)
19	a)	What are the applications of 5G?	(5)
	b)	What is LiFi? What are its applications	(5)
20		Explain in detail about protocol architecture of WAP.	(10)