MARWADI UNIVERSITY
MU-FOT
CE-FOT1 (MU), IT-FOT1 (MU)
Semester 7 - Winter

Subject : MC (01CE0701)   Date : 17-Aug-2021
Total Marks : 30   Time : 1 Hours 15 Minutes
Instructions :

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Que.1 (A)	Answer the following questions.	[6]

(1)   Explain the reason behind frequency reuse?

(2)   What is the frequency on which Ground wave propagate ?

(3)   What do you understand by the term Authentication in Mobile Computing Security ?

(4)   Define "Cluster" in cellular system ?

(5)   Expand full form of GSM, GPRS and UMTS

(6)   Define Cellular System?

Que.2

(A)	Explain the basic components of Cellular System?	[6]
(B)	Compare and Contrast UDP and TCP protocol	[6]

OR

(B)	Explain Mobile Computing Architecture with its suitable and labelled diagram.	[6]

Que.3

(A)	Draw a neat diagram of GSM architecture and explain in detail.	[8]
(B)	Explain the databases of Cellular System ?	[4]

OR

(A)	Explain SGSN and GGSN with its detail functions.	[8]
(B)	Explain different propagation modes of Wireless communication?	[4]

---Best of Luck---

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Difficulty Level	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
High	20	18.75	2	9	1(A), 3(A)
Low	20	47.92	8	23	1(A), 2(B), 3(A), 3(B)
Medium	60	33.33	3	16	2(A), 2(B), 3(B)

Module Name	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
Telecommunication System	30	35.42	3	17	1(A), 3(A)
Detailed Introduction of Mobile Computing	35	37.50	5	18	1(A), 2(B), 3(B)
The cellular concept	35	27.08	5	13	1(A), 2(A), 3(B)

Blooms Taxonomy	Weightage		No of Question	Total Marks	Question List
	Recommended	Actual			
Remember / Knowledge	10	0.00	0	0	
Understand	20	97.92	12	47	1(A), 2(A), 2(B), 3(A), 3(B)
Apply	25	0.00	0	0	
Analyze	25	2.08	1	1	1(A)
Evaluate	10	0.00	0	0	
Higher order Thinking	10	0.00	0	0	