

Test: CLAT-1
Date: 8/8/2023
Course Code & Title: 18ECC301T, WIRELESS COMMUNICATION
Duration: 1Hr
Year & Sem: IV & VII
Max. Marks: 25
Course Articulation Matrix:

	18ECC301T - Wireless Communication	Program Outcomes (POs)														
		Graduate Attributes												PSO		
COs	Course Outcomes (COs)	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
CO-1	Interpret the concepts of Wireless communication and basic cellular networks	3	-	-	3	-	-	-	-	-	-	-	2	-	-	-
CO-2	Analyze different Radio wave propagation models for cellular communication	-	3	-	3	-	-	-	-	-	-	-	-	-	-	3
CO-3	Apply different multipath propagation channel models in wireless systems	-	3	3	-	-	-	-	-	-	-	-	-	-	-	2
CO-4	Illustrate the Link performance improvement techniques	-	3	-	-	-	-	2	-	-	-	-	-	-	-	3
CO-5	Summarize different wireless communication standards and systems	-	-	2	-	-	2	-	-	-	-	-	-	2	-	-

Part - A (5 x 1 = 5 Marks) Instructions: Answer all Questions					
Q. No	Questions	Marks	BL	CO	PO
1	While locating a co-channel cell, a RF site engineer will do the following mapping after moving 'i' cells along any particular direction a. Turn 90 deg counter clockwise & move j cells b. Turn 60 deg clockwise & move j cells c. Turn 60 deg counter clockwise & Move j cells d. Move j cells and Turn 60 deg counter clockwise	1	1	1	1
2	Identify the channel to be used for a transmission of device power level from mobile station to base station a. Forward Control Channel b. Reverse Control Channel c. Forward Voice Channel d. Reverse Voice Channel	1	1	1	1
3	What is the distance between two co channel base stations? a. 3N b. $R\sqrt{3}N$ c. 3RN d. 3 N	1	2	1	4
4	What is the Co-Channel reuse value for a cluster size of 12? a. 3 b. 4.58 c. 6 d. 3	1	4	1	4

Evaluation Sheet

Name of the Student:

Register No.:

Part- A (5 x 1= 5 Marks)					
Q. No	CO	PO	Maximum Marks	Marks Obtained	Total
1	1	1	1		
2	1	1	1		
3	1	4	1		
4	1	4	1		
5	1	4	1		
Part- B (2 x 4= 8 Marks)					
6	1	12	4		
7	1	12	4		
8	1	1	4		
Part- B (2 x 4= 8 Marks)					
9a	1	1	10		
9b	1	4	2		
10a	1	1	8		
10b	1	4	4		

Consolidated Marks:

CO	Maximum Marks	Marks Obtained
1	25	
Total		

PO	Maximum Marks	Marks Obtained
1	14	
4	19	
12	8	
Total	41	

Signature of Course Teacher