LES	SSON PLAN CHNIC SAMBALPUR (RENGALI)
Name of the Faculty: Nipan Padhan Course No.: Th-3 Programe: Diploma Year/Sem: 1st Year / 1st Semester	Academic Year:2024-25 Course Name: Engg. Mathematics Branch: Electrical Section: C&D

Sl.		Time	Topic to be Covered	Teaching Method
No.	Period	(min)	1 opic to be covered in	Blackboard&
1.	1.	60	Concept of angles, measurement of angles in degrees, grades and radians and their conversions,	chalk
		San Te I Hell		Blackboard&
2.	2.	60	l alagrapa arodoc ond rodialis dilu lilon com	chalk
3				Blackboard&
3.	3.	60	degrees grades and radians and their control	chalk
4.	4.	60	T-Ratios of Allied angles (Without proof).	Blackboard& chalk
				Blackboard&
	-	60	T-Ratios of Allied angles (without proof).	chalk
5.	5.	00	1) · · · · · · · · · · · · · · · · · ·	Blackboard&
	6.	60	T-Ratios of Allied angles (without proof).	chalk
6.	0.	00		
	7	60	Sum, difference formulae and their applications	Blackboard& chalk
7.	1.	7. 60		Blackboard&
0	8.	60	Sum difference formulae and their applications	chalk
8.	δ.	00	AMITOOH DIQUI.	Blackboard&
9.	9.	60	Sum, difference formulae and their applications	chalk
9.	9.	00		
10	10.	60	Product formulae (Transformation of product to sum,	chalk
10	10.		difference and vice versus	Blackboard&
11	11.	60	Product formulae (Transformation of product to	chalk
11	11.		difference and vice versal	Blackboard
12	12.	60	Product formulae (Transformation of product to	chalk
12	12.		difference and vice versal	Blackboard
13	13.	60	T- Ratios of multiple angles, sub-multiple angles	chalk
13			(2A, 3A, A/2).	Blackboard
14	14.	60	T- Ratios of multiple angles, sub-multiple	chalk
•			angles (2A, 3A, A/2).	Blackboard
15	15.	60	T- Ratios of multiple angles, sub-multiple	chalk
			angles (2A, 3A, A/2).	Blackboard
16	16.	60	Graphs of sin x, cos x, tan x and ex	chalk
		1	to the fair y agg y tan y and ay	Blackboard
17	17.	60	Graphs of sin x, cos x, tan x and ex	chalk
		. 4	Graphs of sin x, cos x, tan x and ex	Blackboard
18	18.	60	Graphs of sill x, 603 x, tall x and 57 in	chalk
15.			Definition of function	Blackboard
19	19.	60	Deminion of fanous.	chalk
			Concept of limits.	Blackboard
20	20.	60	Obliopi of million	chalk
		- 10	Concept of limits.	Blackboard
21	21.	60	Contract of minutes	chalk
			Four standard limits	Blackboard
22	2 22	. 60	Tour Startman	chalk
1000	D			1
	2 22	60	Four standard limits	Blackboard
2	3 23.	1 00	일이 2000도 보장하여 있는 그리고 있다고 있는 그는 중에 되었다.	chalk

24	24.	60	Four standard limits	Blackboard& chalk
25	25.	60	Differentiation by definition of x ⁿ sinx ,cosx, tanx	Blackboard& chalk
26	26.	60	Differentiation by definition of x ⁿ sinx ,cosx, tanx	Blackboard& chalk
27	27.	60	Differentiation of sum, product and quotient of functions.	Blackboard& chalk
28	28.	60	Differentiation of sum, product and quotient of functions.	Blackboard& chalk
29	29.	60	Differentiation of sum, product and quotient of functions.	Blackboard& chalk
30	30.	60	Differentiation of function of a function.	Blackboard& chalk
31	31.	60	Differentiation of trigonometric and inverse trigonometric functions	Blackboard& chalk
32	32.	60	Differentiation of trigonometric and inverse trigonometric functions	Blackboard& chalk
33	33.	60	Differentiation of trigonometric and inverse trigonometric functions	Blackboard& chalk
34	34.	60	Logarithmic differentiation	Blackboard& chalk
35	35.	60	Logarithmic differentiation	Blackboard& chalk
36	36.	60	Exponential functions.	Blackboard& chalk
37	37.	60	Exponential functions.	Blackboard& chalk
38	38.	60	Definition, real and imaginary parts of a Complex number	Blackboard& chalk
39	39.	60	polar and Cartesian, representation of a complex number and its conversion from one form to other	Blackboard& chalk
40	40.	60	polar and Cartesian, representation of a complex number and its conversion from one form to other	Blackboard& chalk
41	41.	60	polar and Cartesian, representation of a complex number and its conversion from one form to other.	Blackboard& chalk
42	42.	60	conjugate of a com- plex number, modulus and amplitude of a complex number	Blackboard& chalk
43	43.	60	conjugate of a com- plex number, modulus and amplitude of a complex number.	Blackboard& chalk
44	44	60	conjugate of a com- plex number, modulus and amplitude of a complex number.	Blackboard& chalk
45	45	60	Addition, Subtraction, Multiplication and Division of a complex number	Blackboard& chalk
46	46	60	Addition, Subtraction, Multiplication and Division of a complex number	Blackboard& chalk
47	47	60	Addition, Subtraction, Multiplication and Division of a complex number	Blackboard& chalk

3847	3 Ye 11		De-movier's theorem, its application.	Blackboard& chalk
49	49	60	Definition of polynomial fraction proper & improper fractions and definition of partial fractions.	Blackboard& chalk
50	50	60	To resolve proper fraction into partial fraction with denominator containing non-repeated linear factors, repeated linear factors and irreducible non-repeated quadratic factors.	Blackboard& chalk
51	51	60	denominator containing non-repeated linear factors, repeated linear factors and irreducible	Blackboard& chalk
52	52	60	denominator containing non-repeated linear factors, repeated linear factors and irreducible	Blackboard& chalk
53	53	60	To resolve improper fraction into partial fraction.	Blackboard& chalk
54	54	60	Value of nPr and nCr.	Blackboard& chalk
55	55	60	Binomial theorem (without proof) for positive integral index (expansion and general form);	Blackboard& chalk
56	56	60	Binomial theorem (without proof) for positive integral index (expansion and general form);	Blackboard& chalk
57	57	60	binomial theorem for any index (expansion without proof)	Cliaik
58	58	60	first and second binomial approximation with applications to engineering problems	Blackboard chalk
59	59	60	first and second binomial approximation with applications to engineering problems	Blackboard
60	60	60	first and second binomial approximation with applications to engineering problems	Blackboard chalk

Nopam Padhan

Nipan Padhan (Guest Faculty in Math) HOD Math & Sc Principal G.P.Sambalpur (Rengali)