JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
ACCREDITED BY NAAC

Lesson Plan & Tracking

Programe : DIPLOMA	**Session : 2022-23**	**Year : Ist**	**Sem: I**
Course: BASIC MATHEMICS I			
Name of the Faculty: Wakil Kumar	**Commencement Date:29/8/2022**		**Date of Closure:**

Lecture No.	Week	Unit	Topics to be Covered	Blended Mode			Date	Duration	Tracking of Lectures	Related Course Outcome	Signature of Faculty	Signature of HoD	Remarks (if any)
				ICT Tool/Platform/ LMS	Resources	Activity							
1	1	Unit1	Basic Formula of Trigonometri										
2		Unit1	Compound Angles and problems										
3		Unit1	Multiple and Sub multiple Angles										
4	2	Unit1	Inverse Trigonometric function.										
5		Unit1	Type of function										
6		Unit1	Limit										
7	3	Unit1	Derivatives of different function										
8		Unit1	Rules of derivatives										
9		Unit1	Differentiation of implicit function										
10	4	Unit2	Inverse Trigonometric function										
11		Unit2	parametric function.										
12		Unit2	Geometrical Meaning of dy/dx ,dy/dx as a rate Measure										

13		**Unit2**	Integration, Rules and formula										
14	**5**	**Unit2**	Integration of product of functions										
15		**Unit2**	Method of Substitution										
16		**Unit2**	Definite Integration										
17	**6**	**Unit2**	Application of definite integration										
18		**Unit2**	Sets, Subsets Sets operations										
19		**Unit3**	Complement of a set, Difference of two sets										
20	**7**	**Unit3**	De Morgan’s law										
21		**Unit3**	Cartesian Product of Sets										
22		**Unit3**	Determinant										
23	**8**	**Unit3**	Permutation and Combination										
24		**Unit3**	Definition of Vector, Algebra of Vectors										
25	**9**	**Unit3**	Equality, Addition, Subtraction of vector										
26		**Unit3**	Scalar and Vector Product of two and three vectors.										