

MYMENSINGH POLYTECHNIC INSTITUTE

TECHNOLOGY: ALL

Outline Plan of Teaching (Semester Plan)

Subject: **Mathematics-2 (25921)**

2th Semester / 1st Shift

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3	3	4

Week	Theory			Practical		
	<u>Content</u>	<u>Activity</u>		Practical Job No	<u>Content</u>	<u>Activity</u>
	(Specific Objectives)	Test	Learning Materials		(Practical Name)	(Resources, Place, Tutorial, Methodology, Reference books, Viva, Job sheet)
1	ALGEBRA(Partial Fractions): .(1.1-1.2(a-d))			Marker Pen, White Board, Multimedia	1	Solve problems related to partial fractions scale, compass
2	ALGEBRA (Exponential series): .(2.1-2.4)			Marker Pen, White Board, Multimedia	2	Solve problems related to Exponentials series
3	ALGEBRA(Binomial theorem): .(3.1-3.4)	Quiz Test-1		Marker Pen, White Board, Multimedia	3	Solve problems related to Functions
4	DIFFERENTIAL CALCULAS (Functions and Graph of Functions): (4.1-4.2)			Marker Pen, White Board, Multimedia	4	Solve problems related to Limits
5	DIFFERENTIAL CALCULAS (Limit): (5.1-5.3)			Marker Pen, White Board, Multimedia	5	Self check
6	DIFFERENTIAL CALCULAS (Differential co-efficient and differentiation): (6.1-6.2)	Class Test-1		Marker Pen, White Board, Multimedia	6	Solve problems related to differential co-efficient of differentiation
7	DIFFERENTIAL CALCULAS (Differential co-efficient and differentiation): (7.1)			Marker Pen, White Board, Multimedia	7	Solve problems related to geometrical menning of
8	DIFFERENTIAL CALCULAS (Differential co-efficient and differentiation): (7.2-7.3)			Marker Pen, White Board, Multimedia	8	Solve problems related to partial differentiation
9	DIFFERENTIAL CALCULAS (Geometrical meaning of dydx): .(8.1-8.3)	Quiz Test-2		Marker Pen, White Board, Multimedia	9	Self check
10	DIFFERENTIAL CALCULAS (Use Leibnitz's theorem to solve the problems of successive differentiation): (9.1-9.3)			Marker Pen, White Board, Multimedia	10	Solve problems related to indefinite integral
11	DIFFERENTIAL CALCULAS (Partial differentiation (10.1-10.5)			Marker Pen, White Board, Multimedia	11	Solve problems related to indefinite integral
12	INTEGRAL CALCULUS (Indefinite integrals): (11.1-11.5)	Class Test-2		Marker Pen, White Board, Multimedia	12	Solve problems related to definite integral
13	INTEGRAL CALCULUS (Definite integrals): (12.1-12.3)			Marker Pen, White Board, Multimedia	13	Self check
14	VECTOR(Vector algebra): (13.1-13.5)			Marker Pen, White Board, Multimedia	14	Solve problems related to vector dot& cross product
15	VECTOR (Dot product of Vectors): .(14.1-14.6)			Marker Pen, White Board, Multimedia	15	Self check
16	VECTOR (Cross product of vectors): .(15.1-15.6)			Marker Pen, White Board, Multimedia	16	Self check

Name of the teacher : Muhammed Raisul Islam

Designation...JUNIOR INSTRUCTOR (Non-Tech) .

Signature: