

Academic Year 2018-19

**B.P.H.E. Society's
Ahmednagar College, Ahmednagar
Internal Quality Assurance Cell
CO, PO, and PSO Attainment Sheet**

Department Name	Mathematics
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Program Name	B.Sc.
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Program Outcomes(PO)

PO1	Promotion of thinking
PO2	Confidence
PO3	Problem solving
PO4	Understanding Concepts
PO5	Development of writing, listening skills
PO6	Group Discussion
PO7	Learning values from teachers
PO8	Skill of team work.
PO9	
PO10	
PO11	
PO12	

Program Specific Outcome(PSO)

PSO1	To enable the students to cultivate a mathematical way of thinking, that is making conjectures, verifying them with observations, generalizing them, trying to find proofs.
PSO2	To enable the students to quantify their experiences in other subjects they study.
PSO3	To enable the students to study mathematics for themselves.

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Class		F.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-101	Algebra and Geometry	yearly	Mr.A.E.Lagad	CO1	2	1	1	2	2	2	1	0	2	1	2
				CO2	2	1	2	3	2	1	2	1	2	1	1
				CO3	2	2	3	2	1	2	2	3	1	2	1
				CO4	2	2	2	1	2	1	2	2	1	2	1
	CO1	Students will able to prove results involving divisibility and greatest common divisors		CO5	2	1	2	1	3	1	1	2	1	1	1
	CO2	To learn how apply Euler-Fermat's Theorem to prove relations involving prime numbers	Average		2.00	1.40	2.00	1.80	2.00	1.40	1.60	1.60	1.40	1.40	1.20
	CO3	To learn polynomial addition, subtraction, division, multiplication, roots of polynomials.													
	CO4	To learn Transformation, translation and reflection													
	CO5	To find equation of spheres, cylinders and cones from different given													

Class		F.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-102	Calculus and differential equation	yearly	Mr.S.A.Ghule	CO1	2	1	2	2	2	2	1	0	1	2	1
				CO2	1	1	1	3	2	1	2	1	1	2	1
				CO3	2	2	3	2	1	2	1	2	1	1	2
				CO4	1	2	2	1	2	1	2	2	1	2	2

	CO1	Be able to solve algebraic equations and inequalities involving the square root and modulus function understand the difference between equations and identities, and be able to prove simple identities and inequalities	CO5											
	CO2	Be able to recognize odd, even, periodic, increasing, decreasing functions	Average	1.50	1.50	2.00	2.00	1.75	1.50	1.50	1.25	1.00	1.75	1.50
	CO3	To understand the concept of indefinite integral as anti-derivative												
	CO4	Be able to use derivatives to find intervals on which the given function is increasing or ecreasing												
	CO5													

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Class		S.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-211	Multivariable Calculus-I	3	Mr.S.S.Munot	CO1	1	2	1	2	2	1	1	2	1	2	1
				CO2	2	2	1	0	2	1	1	1	2	1	1
				CO3	2	1	2	1	2	1	0	2	1	1	1
				CO4	2	1	2	2	1	2	1	2	2	2	1
	CO1	Identify trigonometric functions and their features		CO5											
	CO2	Interpret the epsilon-delta definition of a limit	Average		1.75	1.50	1.50	1.25	1.75	1.25	0.75	1.75	1.50	1.50	1.00
	CO3	Interpret the derivative of a function at a point													
	CO4	Identify extrema and critical points of a function													
	CO5														

Class		S.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-212(B)	Laplace Transform and Fourier series	3	Mr.S.B.Gandhale	CO1	1	2	1	2	2	1	1	1	1	2	1
				CO2	1	2	1	0	2	1	1	2	2	1	1
				CO3	1	1	2	1	1	1	0	1	1	1	1
				CO4											
	CO1	Have deep knowledge of Laplace Transformation and its real life application.		CO5											

	CO2	Solve initial value problem and boundary value problem using Laplace Transform.	Average	1.00	1.67	1.33	1.00	1.67	1.00	0.67	1.33	1.33	1.33	1.00
	CO3	Understand Fourier series and its properties and will be able to solve the examples based on it.												
	CO4													
	CO5													

Class		S.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-221	PO1		PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	
Subject Name	Linear Algebra	CO1	1	2	1	2	2	2	1	1	1	2	1	
Semester No	4	CO2	2	2	2	0	2	1	2	1	2	1	1	
Teacher Name	Mr.A.E.Lagad	CO3	1	1	2	1	2	1	0	2	1	1	1	
Course Outcomes		CO4	2	1	1	2	1	2	1	1	2	2	1	
	CO1	Provide an axiomatic description of an abstract vector space	CO5											
	CO2	Given a linear transformation and bases, find a matrix representation for the linear transformation	Average	1.50	1.50	1.50	1.25	1.75	1.50	1.00	1.25	1.50	1.50	1.00
	CO3	Understand rank-nullity theorem and its application												
	CO4	Find the eigenvalues and eigenvectors of a matrix												
	CO5													

Class		S.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT222(A)	PO1		PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	
Subject Name	Multivariable Caculus-II	CO1	1	2	1	2	1	1	1	1	1	2	1	
Semester No	4	CO2	2	2	1	0	2	1	1	2	2	1	1	
Teacher Name	Mr.S.B.Gandhale	CO3	2	1	1	1	2	1	0	1	1	1	1	
Course Outcomes		CO4												
	CO1	Calculate areas and volumes using double and triple integrals.	CO5											

	CO2	Compute curve and surface integrals, and use them to calculate lengths, areas and volumes.	Average	1.67	1.67	1.00	1.00	1.67	1.00	0.67	1.33	1.33	1.33	1.00
	CO3	Use differential calculus for computing tangential plane and normal on surface and in optimization problems of (local) extremes of multivariable functions.												
	CO4													
	CO5													

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Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-331	Metric Spaces	5	Mr.S.S. Munot	CO1	2	1	2	2	1	2	1	2	2	1	2
				CO2	2	1	2	1	2	2	2	1	1	1	1
				CO3	2	1	1	2	1	2	1	1	1	2	1
				CO4	0	1	2	1	2	1	2	1	2	1	0
				CO5											
				Average	1.50	1.00	1.75	1.50	1.50	1.75	1.50	1.25	1.50	1.25	1.00
	CO1	To deal with various examples of metric spaces													
	CO2	Have some familiarity with continuous maps													
	CO3	To work with compact sets in Euclidean space													
	CO4	To work with completeness													
	CO5														

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-332	Real Analysis-I	5	Mr.S.A.Ghule	CO1	2	1	1	2	1	2	1	2	1	1	1
				CO2	1	2	2	1	2	1	2	1	2	2	1
				CO3	2	1	2	2	1	2	1	2	1	2	1
				CO4											
				CO5											
				Average	1.67	1.33	1.67	1.67	1.33	1.67	1.33	1.67	1.33	1.67	1.00
	CO1	To explain the completeness of a system of real numbers: a least upper bound, a greatest lower bound													
	CO2	To elaborate on the topological concepts of the real numbers: open sets, closed sets, accumulation points, closure, open covers, compact sets.													
	CO3	To Justify the convergence/divergence of a given number series													
	CO4														
	CO5														

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-334			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
Subject Name	Group Theory		CO1	1	1	2	2	1	2	1	2	2	2	2
Semester No	5		CO2	2	2	2	1	2	2	2	1	1	1	2
Teacher Name	Mr.S.S.Munot		CO3	2	1	1	2	1	2	1	1	1	1	1
Course Outcomes			CO4	1	2	2	1	2	1	2	1	1	1	1
	CO1	To demonstrate when a binary algebraic structure forms a group	CO5											
	CO2	To determine possible subgroups of a group	Average	1.50	1.50	1.75	1.50	1.50	1.75	1.50	1.25	1.25	1.25	1.50
	CO3	To Identify cyclic subgroups and their generators												
	CO4	Explain group and subgroup orders using Lagrange's theorem												
	CO5													

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-335			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
Subject Name	Ordinary differential equations		CO1	2	1	2	2	1	2	1	2	1	1	1
Semester No	5		CO2	2	1	2	1	2	2	2	1	1	2	2
Teacher Name	Mr.S.A.Ghule		CO3	2	1	1	2	1	2	1	1	2	2	1
Course Outcomes			CO4	1	1	2	1	2	1	2	1	1	1	1
	CO1	Distinguish between linear, nonlinear, partial and ordinary differential equations.	CO5											
	CO2	State the basic existence theorem for 1st order ODE's and use the theorem to determine a solution interval.	Average	1.75	1.00	1.75	1.50	1.50	1.75	1.50	1.25	1.25	1.50	1.25
	CO3	Recognize and solve a linear differential equation by use of an integrating factor												
	CO4	To find particular solutions to initial value problems												
	CO5													

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-337(A)			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
Subject Name	Operation reseach		CO1	1	2	2	2	1	1	1	2	2	1	2

Semester No	5	CO2	1	2	2	1	2	2	2	2	1	1	1	1
Teacher Name	Mrs. S.R. Bhawnani	CO3	2	1	2	2	2	2	2	2	2	1	2	1
Course Outcomes		CO4												
	CO1	Apply the techniques used in operations research to solve real life problem in minimization	CO5											
	CO2	Industry select an optimum solution with profit maximization	Average	1.33	1.67	2.00	1.67	1.67	1.67	1.67	1.67	1.33	1.33	1.33
	CO3	Have complete understand of the significant role operation research play in mining												
	CO4													
	CO5													

Class	T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	MT-337(F)		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	
Subject Name	Number Theory	CO1	2	1	2	2	1	1	1	2	2	1	2	
Semester No	5	CO2	2	1	1	2	2	2	2	1	1	1	1	
Teacher Name	Mr.R.R.Deadhe	CO3	1	2	1	1	2	2	2	2	1	2	1	
Course Outcomes		CO4												
	CO1	To Define and interpret the concepts of divisibility, congruence, greatest common divisor, prime, and prime-factorization	CO5											
	CO2	Apply the Law of Quadratic Reciprocity and other methods to classify numbers as primitive roots, quadratic residues, and quadratic non-residues.	Average	1.67	1.33	1.33	1.67	1.67	1.67	1.67	1.67	1.33	1.33	1.33
	CO3	Formulate and prove conjectures about numeric patterns												
	CO4													
	CO5													

Class	T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-341		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
Subject Name	Complex Analysis	CO1	2	1	2	1	1	2	1	2	2	1	2
Semester No	6	CO2	1	2	1	1	2	2	2	1	1	1	1
Teacher Name	Mr S.A.Ghule	CO3	2	1	2	2	1	2	2	2	1	2	1
Course Outcomes		CO4											

	CO1	Students will able to represent complex numbers algebraically and geometrically	CO5											
	CO2	Students will able to apply the concept and consequences of analyticity and the Cauchy-Riemann equations and of results on harmonic and entire functions including the fundamental theorem of algebra	Average	1.67	1.33	1.67	1.33	1.33	2.00	1.67	1.67	1.33	1.33	1.33
	CO3	To analyze sequences and series of analytic functions and types of convergence												
	CO4													
	CO5													

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-342	PO1		PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	
Subject Name	Real Analysis-II	CO1	1	1	2	2	1	2	1	2	1	1	2	
Semester No	6	CO2	2	2	1	2	2	2	1	1	1	2	1	
Teacher Name	Mrs S.R. Bhawanani	CO3	1	1	1	2	2	1	1	1	1	2	2	
Course Outcomes		CO4												
	CO1	Students will able to learn Riemann integrable and Riemann sums	CO5											
	CO2	To Prove a theorem about Riemann sums and Riemann integrals	Average	1.33	1.33	1.33	2.00	1.67	1.67	1.00	1.33	1.00	1.67	1.67
	CO3	Knowledge of some simple techniques for testing the convergence of sequences and series of functions, and confidence in applying them.												
	CO4													
	CO5													

Class		T.Y.B.Sc	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-344	PO1		PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	
Subject Name	Ring Theory	CO1	1	2	2	1	2	1	1	2	2	1	2	
Semester No	6	CO2	1	2	1	1	2	2	2	2	1	1	1	
Teacher Name	Mr. S.S. Munot	CO3	1	1	2	2	1	2	2	1	2	2	2	
Course Outcomes		CO4												
	CO1	Students will able To write precise and accurate mathematical objects in ring theory	CO5											
	CO2	students will ableto understand the concepts like ideals and quotient rings	Average	1.00	1.67	1.67	1.33	1.67	1.67	1.67	1.67	1.33	1.67	

	CO3	Students will able to understand the concept of ring homomorphism.
	CO4	
	CO5	

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs			
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3
MT-345	Partial Differential equation Equations	6	Mr.S.A.Ghule	CO1	1	1	2	1	1	2	1	2	2	1	2
				CO2	2	1	1	1	2	1	2	1	2	1	1
				CO3	2	1	1	2	1	2	1	1	1	2	1
				CO4	0	1	2	1	2	1	2	2	0	1	1
	CO1	To explain the concepts and language of partial differential equations	CO5												
	CO2	To understand the difference between ordinary & partial differential equation	Average	1.25	1.00	1.50	1.25	1.50	1.50	1.50	1.50	1.25	1.25	1.25	
	CO3	To classify the partial differential equations													
	CO4	Solve the partial differential equation using charpits method, Jacobis method													
	CO5														

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	Subject Name	Semester No		Teacher Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2
MT-347(A)	Optimization Technique	6	Mrs. S.R. Bhawanani	CO1	2	2	1	2	1	1	1	2	1	2
				CO2	2	1	2	2	2	2	1	2	1	1
				CO3	2	1	1	2	2	1	1	1	2	1
				CO4	0	2	1	1	2	1	2	2	1	0
	CO1	Students will able to formulate optimization problems	CO5											
	CO2	To Understand and apply the concept of optimality criteria for various type of optimization problems	Average	1.50	1.50	1.25	1.75	1.75	1.25	1.25	1.50	1.50	1.25	1.00
	CO3	To solve various constrained and unconstrained problems in single variable as well as multivariable												
	CO4	To apply the methods of optimization in real life situation												
	CO5													

Class		T.Y.B.Sc.	Course Outcomes	Program Outcomes								PSOs		
Subject Code	MT-347(F)			PO1	PO2	PO3	PO4	PO5	1	PO7	PO8	PSO1	PSO2	PSO3
Subject Name	Graph Theory		CO1	2	1	1	2	1	2	1	2	2	1	2
Semester No	6		CO2	1	2	2	1	2	1	2	2	1	1	1
Teacher Name	Mr.R.R.Devadhe		CO3	2	1	1	1	1	2	2	1	1	2	1
Course Outcomes			CO4											
	CO1	Be familiar with the definitions and basic theory of graphs	CO5											
	CO2	Be able to implement many of the standard algorithms of graph theory	Average	1.67	1.33	1.33	1.33	1.33	1.67	1.67	1.67	1.33	1.33	1.33
	CO3	Dijkstra's algorithm to find a shortest path spanning tree in a graph or digraph.												
	CO4													
	CO5													

CO-PO Mapping

		Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
FY	FY	1 MT-101	2.00	1.40	2.00	1.80	2.00	1.40	1.60	1.60
		2 MT-102	1.50	1.50	2.00	2.00	1.75	1.50	1.50	1.25
SY	SY	1 MT-211	1.75	1.50	1.50	1.25	1.75	1.25	0.75	1.75
		2 MT-212(B)	1.00	1.67	1.33	1.00	1.67	1.00	0.67	1.33
		3 MT-221	1.50	1.50	1.50	1.25	1.75	1.50	1.00	1.25
		4 MT222(A)	1.67	1.67	1.00	1.00	1.67	1.00	0.67	1.33
TY	TY	1 MT-331	1.50	1.00	1.75	1.50	1.50	1.75	1.50	1.25
		2 MT-332	1.67	1.33	1.67	1.67	1.33	1.67	1.33	1.67
		3 MT-334	1.50	1.50	1.75	1.50	1.50	1.75	1.50	1.25
		4 MT-335	1.75	1.00	1.75	1.50	1.50	1.75	1.50	1.25
		5 MT-337(A)	1.33	1.67	2.00	1.67	1.67	1.67	1.67	1.67
		6 MT-337(F)	1.67	1.33	1.33	1.67	1.67	1.67	1.67	1.67
		7 MT-341	1.67	1.33	1.67	1.33	1.33	2.00	1.67	1.67
		8 MT-342	1.33	1.33	1.33	2.00	1.67	1.67	1.00	1.33
		9 MT-344	1.00	1.67	1.67	1.33	1.67	1.67	1.67	1.67
		10 MT-345	1.25	1.00	1.50	1.25	1.50	1.50	1.50	1.50
		11 MT-347(A)	1.50	1.50	1.25	1.75	1.75	1.25	1.25	1.50
		12 MT-347(F)	1.67	1.33	1.33	1.33	1.33	1.67	1.67	1.67

CO-PO ATTAINMENT							
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
0.826667	0.578667	0.826667	0.744	0.826667	0.578667	0.661333	0.661333
0.78	0.78	1.04	1.04	0.91	0.78	0.78	0.65
0.91	0.78	0.78	0.65	0.91	0.65	0.39	0.91
0.52	0.866667	0.693333	0.52	0.866667	0.52	0.346667	0.693333
0.78	0.78	0.78	0.65	0.91	0.78	0.52	0.65
0.866667	0.866667	0.52	0.52	0.866667	0.52	0.346667	0.693333
0.78	0.52	0.91	0.78	0.78	0.91	0.78	0.65
0.866667	0.693333	0.866667	0.866666667	0.693333	0.866667	0.693333	0.866667
0.78	0.78	0.91	0.78	0.78	0.91	0.78	0.65
0.91	0.52	0.91	0.78	0.78	0.91	0.78	0.65
1.333333	1.666667	2	1.666666667	1.666667	1.666667	1.666667	1.666667
0.866667	0.693333	0.693333	0.866666667	0.866667	0.866667	0.866667	0.866667
0.866667	0.693333	0.866667	0.693333333	0.693333	1.04	0.866667	0.866667
0.693333	0.693333	0.693333	1.04	0.866667	0.866667	0.52	0.693333
0.52	0.866667	0.866667	0.693333333	0.866667	0.866667	0.866667	0.866667
0.85	0.68	1.02	0.85	1.02	1.02	1.02	1.02
1.26	1.26	1.05	1.47	1.47	1.05	1.05	1.26
0.866667	0.693333	0.693333	0.693333333	0.693333	0.866667	0.866667	0.866667

Percentage CO-PO ATTAINMENT							
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333	41.33333
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
100	100	100	100	100	100	100	100
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
52	52	52	52	52	52	52	52
68	68	68	68	68	68	68	68
84	84	84	84	84	84	84	84
52	52	52	52	52	52	52	52

FY
SY
TY

CO-PSO MAPPING

	Course	PSO1	PSO2	PSO3
1	MT-101	1.40	1.40	1.20
2	MT-102	1.00	1.75	1.50
1	MT-211	1.50	1.50	1.00
2	MT-212(B)	1.33	1.33	1.00
3	MT-221	1.50	1.50	1.00
4	MT222(A)	1.33	1.33	1.00
1	MT-331	1.50	1.25	1.00
2	MT-332	1.33	1.67	1.00
3	MT-334	1.25	1.25	1.50
4	MT-335	1.25	1.50	1.25
5	MT-337(A)	1.33	1.33	1.33
6	MT-337(F)	1.33	1.33	1.33
7	MT-341	1.33	1.33	1.33
8	MT-342	1.00	1.67	1.67
9	MT-344	1.67	1.33	1.67
10	MT-345	1.25	1.25	1.25
11	MT-347(A)	1.50	1.25	1.00
12	MT-347(F)	1.33	1.33	1.33

CO-PSO ATTAINMENT

	Course	PSO1	PSO2	PSO3
	MT-101	0.578667	0.578667	0.496
	MT-102	0.52	0.91	0.78
	MT-211	0.78	0.78	0.52
	MT-212(B)	0.693333	0.693333	0.52
	MT-221	0.78	0.78	0.52
	MT222(A)	0.693333	0.693333	0.52
	MT-331	0.78	0.65	0.52
	MT-332	0.693333	0.866667	0.52
	MT-334	0.65	0.65	0.78
	MT-335	0.65	0.78	0.65
	MT-337(A)	1.333333	1.333333	1.333333
	MT-337(F)	0.693333	0.693333	0.693333
	MT-341	0.693333	0.693333	0.693333
	MT-342	0.52	0.866667	0.866667
	MT-344	0.866667	0.693333	0.866667
	MT-345	0.85	0.85	0.85
	MT-347(A)	1.26	1.05	0.84
	MT-347(F)	0.693333	0.693333	0.693333

Percentage CO-PSO ATTAINMENT

	Course	PSO1	PSO2	PSO3
	MT-101	41.33333	41.33333	41.33333
	MT-102	52	52	52
	MT-211	52	52	52
	MT-212(B)	52	52	52
	MT-221	52	52	52
	MT222(A)	52	52	52
	MT-331	52	52	52
	MT-332	52	52	52
	MT-334	52	52	52
	MT-335	52	52	52
	MT-337(A)	100	100	100
	MT-337(F)	52	52	52
	MT-341	52	52	52
	MT-342	52	52	52
	MT-344	52	52	52
	MT-345	68	68	68
	MT-347(A)	84	84	84
	MT-347(F)	52	52	52