Summary of Lesson Plans of College Faculty

Name of College: A.M.M.B

Academic Session: 2017-18 Semester: Odd/Even For the month of July-Nov, 2017

S No.	Name of Assistant / Associate Professor	Subject	Topics / Chapters to be covered	Academic activity to be organized	Topic of Assignments / Tests to be given to the students
1	Dipti	Number theory	July – August		
	MSC IInd		Arithmetic function $\phi(n)$, $\tau(n)$, $\sigma(n)$, $U(n)$, $N(n)$, $I(n)$, Def^n and examples and simple properties		Test Arithmetic function of $\phi(n)$, $\tau(n)$, $\sigma(n)$, $U(n)$, $N(n)$
			Perfect No's, Mobius Inversion formula, The Mobius fun μ_n, the order and average order of the function $\phi(n)$, $\tau(n)$ and $\sigma(n)$		Mobius Inversion formula and Converse of Mobius Inversion formula.
			September		
			Riemann zeta fun^n, $\xi(s)$ and its convergence Application to prime No, $\xi(s)$ as Euler product, Evaluation of $\xi(2)$ and $\xi(2k)$, Diophantine Eq^n, $ax+by=c$	Vival presentation of Riemann Zeta fun^n.	
			$x^2+y^2=z^2$ and $x^4+y^4=z^4$ Waring problem, four square the^m		

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S No.	Name of Assistant / Associate Professor	Subject	Topics / Chapters to be covered	Academic activity to be organized	Topic of Assignments / Tests to be given to the students
1	Dipti	Number theory	October Distribution of		
	MSC IInd		primes, fermat and Mersenne	Presentation	
			No's, Farey Series and Some results concerning	of Irrationality of e and π	Test Irrationality of e and π
			Farey Series, Approximation of irrational No's by rationals	Distribution of primes.	
			Hurwitz the^n, Irrationality of e and π		
			November		
			The arithmetic in		
			Zn, The group Un, primitive roots and their existence,		Assignment The arithmetic in
			the group U_{p^n} (p-odd) and U_{2^n}, The group of		Zn.
			Quadratic residues On, Quadratic residues for prime power moduli and arbitrary moduli, The algebraic		
			structure of Un and On.		

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Name of College: A.M.M.B Academic Session: 2017-18 Semester: Odd/Even For the month of July-Oct, 2017

S No.	Name of Assistant / Associate Professor	Subject	Topics / Chapters to be covered	Academic activity to be organized	Topic of Assignments / Tests to be given to the students
1	Dipti	Calculus	July-August		
	B.A Ist		Successive Differentiation. Theorm on Differentiable		
			function and Expansions		
			Asymptotes		
			September		
			① Curvature	Vival presentation	
			② Reduction formulae	Curvature &	Assignment
			③ Rectification.	Reduction formulae	Rectification
			October		
			Quadrature, volume & Surface of solid		Test – Curvature Quadrature

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Name of College: A.M.M.B Academic Session: 2017-18 Semester: Odd/Even For the month of Nov., 2017

S No.	Name of Assistant / Associate Professor	Subject	Topics / Chapters to be covered	Academic activity to be organized	Topic of Assignments / Tests to be given to the students
1	Dipti	Solid geometry	Nov: Reduction of Second degree eqn's.		
	BA Ist		Confocal conicoids		
			The conicoid		Test Conicoid

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Name of College: A.M.M.B Academic Session: 2017-18 Semester: Odd/Even For the month of July-Nov 2017

S No.	Name of Assistant / Associate Professor	Subject	Topics / Chapters to be covered	Academic activity to be organized	Topic of Assignments / Tests to be given to the students
(1)	Dipti	Group and Rings	July - August Group and Sub groups	Presentation of Group and Subgp.	Test Group and subgroup
	B.A-IIIrd		Homomorphism		
			September Rings and fields,		Test Homomorphism
			Ideals		
			October Euclidean Rings,		
			Polynomial Ring		
		Dynamics	Newtons Law of motion		Assignment Newton law of motion
			November		
			Simple Harmonic motion Elastic String	Viva Presentation Simple Harmonic motion Elastic String	