

**Equivalence for T. Y. B. Sc. (Mathematics) Courses  
(2020-21)**

<b>Old Syllabus (June 2017) (Semester pattern 60:40)</b>		<b>New Syllabus (June 2020) CBCS pattern (Semester pattern 60:40)</b>	
<b>Course code</b>	<b>Paper</b>	<b>Course code</b>	<b>Paper</b>
<b>Semester-V</b>			
MTH-351	Topics in Metric Spaces	MTH-501	Metric Spaces
MTH-352	Integral Calculus	MTH-502	Real Analysis- I
MTH-353	Modern Algebra	MTH-503	Algebra
MTH-354	Lattice Theory	MTH-504	Lattice Theory
MTH-355(A)	C-Programming	MTH-506(A)	C-Programming
MTH-355(B)	Elementary Number Theory	MTH-506(B)	Number Theory
MTH-356(A)	Vector Analysis	MTH-505	Integral Transforms
MTH-356(B)	Integral Transforms	MTH-505	Integral Transforms
MTH-357	Practical Course based on MTH-351 & MTH-352	MTH-507	Practical Course based on MTH-501 & MTH-502
MTH-358	Practical Course based on MTH-353 & MTH-354	MTH-508	Practical Course based on MTH-503 & MTH-504
MTH-359	Practical Course based on MTH-355 & MTH-356	MTH-509	Practical Course based on MTH-505 & MTH-506
<b>Semester-VI</b>			
MTH-361	Measure and Integration Theory	MTH-601	Measure Theory
MTH-362	Method of Real Analysis	MTH-602	Real Analysis- II
MTH-363	Linear Algebra	MTH-603	Linear Algebra
MTH-364	Ordinary and Partial Differential Equations	MTH-604	Ordinary and Partial Differential Equations
MTH-365(A)	Optimization Techniques	MTH-606(B)	Operations Research
MTH-365(B)	Dynamics	MTH-606(A)	Introduction to SciLab
MTH-366(A)	Applied Numerical Methods	MTH-605	Graph Theory
MTH-366(B)	Differential Geometry	MTH-605	Graph Theory
MTH-367	Practical Course based on MTH-361 & MTH-362	MTH-607	Practical Course based on MTH-601 & MTH-602
MTH-368	Practical Course based on MTH-363 & MTH-364	MTH-608	Practical Course based on MTH-603 & MTH-604
MTH-369	Practical Course based on MTH-365 & MTH-366	MTH-609	Practical Course based on MTH-605 & MTH-606