

Percentage of Revision of B. Sc., Mathematics Syllabus for 2020-21

DEPARTMENT OF MATHEMATICS							
S.No	Course Code	Course Title	Change Details	% of Changes	Content Deleted	Content Updated	Reason for Change
1	20UMS101	Classical Algebra	One full unit and some sections in other units are included	60%	Basic concepts of higher secondary level	Convergency and divergency of series	Syllabus revision in higher secondary level
2	20UMS102	Calculus	Some sections are included in Unit 3 & 4.	20%	-	Applications of multiple integrals (problems only).	Syllabus revision in higher secondary level
3	20UMS1A1	Mathematical Statistics-I	Some sections of Units 1,2 & 3 are included	50%	-	Random Variables and Distribution Functions	Syllabus revision in higher secondary level
4	20UMS2A2	Mathematical Statistics-II	Unit 2, 3 & 5 are included	60%	Unit 1 is deleted	Large Sample Theory and Theory of Estimation	Syllabus revision in higher secondary level
5	20UMS203	Trigonometry, Vector calculus and Fourier series	Units 1 & 2 are fully changed	40%	-	Expansions and Inverse circular functions, Circular and Hyperbolic Functions	Syllabus revision in higher secondary level
6	20UMS204	Analytical Geometry	Course is fully changed	100%	-	-	Syllabus revision in higher secondary level
8	20UMS408	Operations Research-I	Few sections are included in all units	50%	-	Linear Programming Problem, Duality in Linear Programming, Transportation Problem and Assignment & Replacement Problem	Skill development and employability

9	20UMS511	Operations Research-II	Few sections are included in Unit 1 & 5.	20%	-	Dominance Property,	Skill development and employability
10	20UMS6E3	Discrete mathematics	Some sections in Unit 2 are included	20%	Atomic and compound statements, truth table of a formula	Theory of interference, open statements, Theory of inference for predicate calculus.	Skill development and employability

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S.No	Course Code	Course Title	Change Details	% of Changes	Content Deleted	Content Updated	Reason for Change
1	20PMS103	Complex Analysis	Few sections are included in unit 5	10%	-	The Canonical basis, General properties of Elliptic functions	Pursue research
2	20PMS206	Mathematical Statistics	Few sections are included in unit 2	10%	one point ,two point distribution, Bernoulli scheme, Binominal distribution	Uniform distribution	Pursue research
3	20PMS415	Fluid dynamics	One section is deleted in Unit 1	5%	Energy equation, conservation of energy	-	Beyond the scope



BoS Chairman

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