

Absorption Scheme for M.Sc. (Mathematics)

Absorption Scheme for M.Sc. MATHEMATICS CBS Pattern students (introduced in the Year 2012-2013) in CBCS Pattern (introduced in the year 2015-16 at M.Sc Semester I and II and in the year 2016-17, at M.Sc. Semester –III and Semester IV

If the candidate has failed in any of the papers mentioned below (As described in Point no. 22 'b', 'c', 'd', and 'e')							Then, the candidate shall appear and clear the paper shown in the respective row as equivalent paper						
M.Sc. (Mathematics) CBS Pattern : Semester –I							M.Sc. (Mathematics) Choice Based Credit System (CBCS)						
S. No.	Semester	Code No.	Paper	Subject	Total Marks	Credits	Equivalence To	Semester	Code No.	Paper	Subject	Total Marks	Credits
01	Sem I		Paper I	Algebra-I	100+25	5		Sem I	1T1	Paper I	Algebra-I	100+25	5
02	Sem I		Paper II	Real Analysis-I	100 +25	5		Sem I	1T2	Paper II	Real Analysis-I	100 +25	5
03	Sem I		Paper III	Topology -I	100+25	5		Sem I	1T3	Paper III	Topology I	100+25	5
04	Sem I		Paper IV	Linear Algebra and Differential Equations	100+25	5		Sem I	1T4	Paper IV	Linear Algebra and Differential Equations	100+25	5
05	Sem I		Paper V	Optional Papers: (i) Numerical Analysis (ii) Integral Equations (iii)Fuzzy Mathematics-I	100+ 25	5		Sem I	1T5	Paper V	Integral Equations	100+25	5
M.Sc. (Mathematics) CBS Pattern : Semester –II							M.Sc. (Mathematics) Choice Based Credit System (CBCS) :						
S. No.	Semester	Code No.	Paper	Subject	Total Marks	Credits	Equivalence To	Semester	Code No.	Paper	Subject	Total Marks	Credits
01	Sem II		Paper VI	Algebra-II	100+25	5		Sem II	2T1	Paper VI	Algebra-II	100+25	5
02	Sem II		Paper VII	Real Analysis-II	100 +25	5		Sem II	2T2	Paper VII	Real Analysis-II	100 +25	5
03	Sem II		Paper VIII	Topology -II	100+25	5		Sem II	2T3	Paper VIII	Topology -II	100+25	5
04	Sem II		Paper IX	Differential Geometry	100+25	5		Sem II	2T4	Paper IX	Differential Geometry	100+25	5
05	Sem II		Paper X	Optional Papers: (i) Classical Mechanics	100+ 25	5		Sem II	2T5	Paper X	Classical Mechanics	100+25	5

				(ii) Mathematical Methods (iii) Fuzzy Mathematics-II									
M.Sc. (Mathematics) CBS Pattern : Semester –III							M.Sc.(Mathematics) Choice Based Credit System (CBCS)						
S. No.	Semester	Code No.	Paper	Subject	Total Marks	Credits	Equivalence To	Semester	Code No.	Paper	Subject	Total Marks	Credits
01	Sem III		Paper XI	Complex Analysis	100 +25	5		Sem III	3T1	Paper XI	Complex Analysis	100+25	5
02	Sem III		Paper XII	Functional Analysis	100 +25	5		Sem III	3T2	Paper XII	Functional Analysis	100+25	5
03	Sem III		Paper XIII	Fluid Dynamics-I	100+25	5		Sem III	3T3	Paper XIII	Fluid Dynamics-I	100+25	5
04	Sem III		Paper XIV	General Relativity	100+25	5		Sem III	3T4	Paper XIV	General Relativity	100+25	5
05	Sem III		Paper XV	Operation Research -I	100+25	5		Sem III	3T4	Paper XV	(Core Subject Centric- I) Operation Research –I	100+25	5
05	Sem III		Paper XV	Algebraic Topology-I	100+25	5		Sem III	3T5	Paper XV	Algebraic Topology-I	100+25	5
06	Sem III		Paper XVI	Operator Theory	100+25	5		Sem III	3T6	Paper XVI	Operator Theory	100+25	5
07	Sem III		Paper XVII	Non Linear Programming	100+25	5		Sem III	3T7	Paper XVII	Non Linear Programming-I	100+25	5
08	Sem III		Paper XVIII	MATLAB Programming	100+25	5		Sem III	3T8	Paper XVIII	Non Linear Programming-I	100+25	5
M.Sc. (Mathematics) CBS Pattern : Semester –IV							M.Sc.(Mathematics) Choice Based Credit System (CBCS)						
S. No.	Semester	Code No.	Paper	Subject	Total Marks	Credits	Equivalence To	Semester	Code No.	Paper	Subject	Total Marks	Credits
01	Sem IV		Paper XIX	Dynamical System	100+25	5		Sem IV	4T1	Paper - XIX	Dynamical System	100+25	5
02	Sem IV		Paper XX	Partial Differential Equations	100+25	5		Sem IV	4T2	Paper XX	Partial Differential Equations	100+25	5

03	Sem IV		Paper XXI	(i) Fluid Dynamics-II	100+25	5		Sem IV	4T3	Paper XXI	Fluid Dynamics-II	100+25	5
04	Sem IV		Paper XXII	(ii) Cosmology	100+25	5		Sem IV	4T4	Paper XXII	Cosmology	80+20	5
05	Sem IV		Paper XXIII	(iii) Operation Research –II	100+25	5		Sem IV	4T4	Paper XXIII	(Core Subject Centric- I) Operation Research –II	100+25	5
05	Sem IV		Paper XIV	(iv) Algebraic Topology-II	100+25	5		Sem IV	4T4	Paper XIV	Algebraic Topology-II	100+25	5
06	Sem IV		Paper XVI	(v) Advanced Algebra	100+25	5		Sem IV	4T4	Paper XVI	Advanced Algebra	100+25	5
07	Sem IV		Paper XVII	(vi) Banach Algebra	100+25	5		Sem IV	4T4	Paper XVII	Advanced Algebra	100+25	5
08	Sem IV		Paper XVIII	(vii) Computational Fluid Dynamics	100+25	5		Sem IV	4T4	Paper XVIII	Non Linear Programming-II	100+25	5