

Name of the programme BSc Mathematics

Name of the self learning material	Faculty who prepared	Source of self learning material	References of self learning material	When was it prepared	When was it last updated
Real analysis	Prof.K.V.GEORGE Associated professor in mathematics SES college ,Sreekandapuram	Introduction to Real analysis- Robert G Bartle,Donald R Sherbert John Wiley & Sons inc (3 <sup>rd</sup> edition)	Principles of Mathematical analysis – Rudin. W  Mathematical analysis Apostol T.M	2011	2019
Differential Equations and Integral Transforms	Shahul hameed K Associate professor , Department of Mathematics, Govt Brennen college Thalassery	Boyce ,W.E and R.C diprima, Elementary Differential Equations and boundary value problems. John and Wiley Sons Inc.,  Erwin Kreyzig, Advanced Engineering Mathematics ,8 <sup>th</sup> edition, John and Sons Inc	Advanced engineering Mathematics :grewal  Yankosky,differential equations and the calculus of variations. Mir publications, Moscow	2011	2019
Topology and graph theory	Dr bijumon R Asst professor, PG Department of mathematics Mahatma Gandhi college ,iritty  Dr Ajitha V Head PG Department of mathematics Mahatma Gandhi college ,iritty	Introduction to topology and modern analysis – George F Simmons  John clark and Derek Allen Halton- A First look at graph theory	Topology –Kelly  Topology – Jamich  Introduction to general Topology – K D Joshi	2011	2019
Complex analysis	Prof.Nandakumar M Head,Department of Mathematics, NAM college ,Kallikkandy,kannur	Comple variables and Applications(7 <sup>th</sup> edition) James Ward Brown, Ruel V Churchill	Advanced engineering mathematics :Kreyzig 8 <sup>th</sup> edn  Complex Analysis (3 <sup>rd</sup> edition):Ahlfors	2011	2019

Algebra	Prof.Nandakumar M Head,Department of Mathematics, NAM college ,Kallikkandy,kannur	A First course in Abstract algebra _John b Fraleigh,7 <sup>th</sup> edition (pearsons education Inc 2003)  Elementary linear algebra Devi prasad(narosa publications)	Contemporary abstract algebra –Joseph a Gallian, Narosa publications  Linear algebra –A Geometric Approach-S. Kumaresan	2011	2019
Vector Analysis And Dynamics	Prof.K.V.GEORGE Associated professor in mathematics SES college ,Sreekandapuram	Calculus –Thomas /finny 9 <sup>th</sup> edn  The element of statics and dynamics –loney S L AITBS pub and distributions	Vector analysis – Schaum’s outline series  Vector analysis –M D RESINGUNIA	2011	2019