

Sadakathullah Appa College

(Autonomous)

(Reaccredited by NAAC at an 'A' Grade. An ISO 9001:2015 Certified Institution)

Rahmath Nagar, Tirunelveli- 11.

Tamil Nadu.

DEPARTMENT OF MATHEMATICS



Draft CBCS SYLLABUS

For

B.SC MATHEMATICS

(Applicable for students admitted in June 2021 and onwards)

**(Submitted before the <Mathematics> BOS Meeting
to be held on 15-03-2021)**

CBCS SYLLABUS FOR B.Sc Mathematics

COURSE STRUCTURE

(Applicable for students admitted in June 2021 and onwards)

I SEMESTER				II SEMESTER			
Part	COURSE	H/W	C	COURSE	H/W	C	
I	Language(T/A) I	6	3	Language(T/A) II	6	3	
II	Communicative English I	6	3	Communicative English II	6	3	
III	Differential Calculus	5	4	Integral Calculus	5	4	
III	Classical Algebra	5	4	Analytical Geometry	5	4	
III	Mathematical Statistics-I	6	4	Mathematical Statistics -II	6	4	
IV	AECC-I-Value Education-I/II	2	2	AECC-II-Environmental Science	2	2	
	TOTAL	30	20	TOTAL	30	20	
III SEMESTER				IV SEMESTER			
Part	COURSE	H/W	C	COURSE	H/W	C	
I	Language(T/A) III	6	3	Language(T/A) IV	6	3	
II	Communicative English III	6	3	Communicative English IV	6	3	
III	Real Analysis-I	5	4	Abstract Algebra	5	4	
III	Allied-II/1	4	3	Allied-II/2	4	3	
III	Allied-II/1P	2	1	Allied-II/2P	2	1	
III	SEC-I Common (Introduction to Computers)	2	2	SEC-III (Soft Skills)	2	2	
IV	SEC-II(MOOC NPTEL Course)/Fourier Transforms	2	2	Trigonometry	2	2	
IV	Mathematics for Competitive Examinations -I	2	2	Mathematics for Competitive Examinations -II	2	2	
V				ECA		1	
V				SOP		1	
IV				Field work/Internship Trg.		2	

	Library Reading Hour	1	-		Library Reading Hour	1	-
	TOTAL	30	20		TOTAL	30	24
V SEMESTER					VI SEMESTER		
Part	COURSE	H/W	C		COURSE	H/W	C
III	Linear Algebra	4	4		Complex Analysis	5	4
III	Real Analysis-II	4	4		Graph Theory	5	4
III	Differential Equations	4	4		Numerical Methods	4	4
III	Statics	4	4		Dynamics	4	4
III	Number Theory	4	4				
III	Combinatorial Mathematics	4	4		Operation Research-II (E-Learning –e-pg-padasala)	4	4
	Fuzzy Mathematics				Programming in C –II		
	Discrete Mathematics				Coding Theory		
III	Operation Research -1 (E-Learning – e-pg-padasala)	4	4		DSE IV Project	6+6*	6
	Programming in C-I						
	Astronomy						
IV	Numerical Ability – I	2	2		Numerical Ability – II	2	2
	TOTAL	30	30		TOTAL	30	28
					NET TOTAL	180 +6*	142
At the end of the IV th semester the students must have to undergo a field work / internship training during the vacation for 6 days (30 hours) to earn 2 credits.							