

GOVERNMENT ARTS COLLEGE (AUTONOMOUS), COIMBATORE-18.

DEPARTMENT OF MATHEMATICS

B.Sc., Degree Course

UG - SCHEME OF EXAMINATIONS: CBCS PATTERN

(For the students admitted during the academic year 2018-2019 and onwards)

Part	Sub Code	Title of the Paper	Hrs (wk)	Internal (CA) Marks	External Marks	Total Marks	Ext- Min.	Total Pass Mark	Credits
Semester – 1									
I	18TAM11L	Part-I: Language:Tamil I	6	25	75	100	30	40	3
II	18ENG12L	Part-II: English I	6	25	75	100	30	40	3
III	18BMA13C	Core-I: Algebra	5	25	75	100	30	40	4
III	18BMA14C	Core-II: Calculus	5	25	75	100	30	40	4
III	18BMA15A	Allied – I: Numerical Analysis	6	25	75	100	30	40	4
IV	18ENV1GE	Environmental Studies	2	25	75	100	30	40	2
Semester – II									
I	18TAM21L	Part-I: Language:Tamil II	6	25	75	100	30	40	3
II	18ENG22L	Part-II: English II	6	25	75	100	30	40	3
III	18BMA23C	Core-III: Differential Equations And Laplace Transforms	5	25	75	100	30	40	4
III	18BMA24C	Core-IV: Analytical Geometry Of 2D & 3D	5	25	75	100	30	40	4
III	18BMA25A	Allied – II: Discrete Mathematical Structures	6	25	75	100	30	40	4
IV	18VAL2GE	Value Education– Gandhian Thoughts	2	25	75	100	30	40	2

Part	Sub Code	Title of the Paper	Hrs (wk)	Internal (CA) Marks	External Marks	Total Marks	Ext- Min.	Total Pass Mark	Credits
Semester – III									
I	18TAM31L	Part–I: Language:Tamil III	6	25	75	100	30	40	3
II	18ENG32L	Part–II: English III	6	25	75	100	30	40	3
III	18BMA33C	Core -V : Trigonometry, Vector Calculus And Fourier Series	6	25	75	100	30	40	4
III	18BMA34A	Allied – III: Physics –I(Theory)	6	15	60	75	24	30	3
III		Allied – III: Physics –I(Practical)	2						
IV	18BMA35S	Skill Based Subject–I: Optimization Techniques - I	4	25	75	100	30	40	3
Semester – IV									
I	18TAM41L	Part–I: Language:Tamil III	6	25	75	100	30	40	3
II	18ENG42L	Part–II: English III	6	25	75	100	30	40	3
III	18BMA43C	Core - VI: Abstract Algebra	6	25	75	100	30	40	4
III	18BMA44A	Allied – IV: Physics –II (Theory)	6	15	60	75	24	30	3
III	18BMA45P	Allied – IV: Physics –I&II (Practical)	2	20	30	50	12	20	4
IV	18BMA46S	Skill Based Subject – II: Optimization Techniques – II	4	25	75	100	30	40	3
V	18EXA4GE	Extension Activities: NCC/NSS/SPORTS//YRC							1

Part	Sub Code	Title of the Paper	Hrs (wk)	Internal (CA) Marks	External Marks	Total Marks	Ext- Min.	Total Pass Mark	Credits
Semester – V									
III	18BMA51C	Core -VII : Linear Algebra	6	25	75	100	30	40	5
III	18BMA52C	Core –VIII : Real Analysis - I	5	25	75	100	30	40	5
III	18BMA53C	Core – IX : Statics	5	25	75	100	30	40	5
III	18BMA54C	Core – X : Mathematical Statistics-I	5	25	75	100	30	40	4
III		Project	2						
IV	18BMA55S	Skill Based Subject – III: C Programming	4	25	75	100	30	40	3
IV	18BMA5EL	Non-Major Elective Paper – I: Arithmetic For All - I	3	25	75	100	30	40	2
Semester – VI									
III	18BMA61C	Core -XI: Real Analysis - II	6	25	75	100	30	40	5
III	18BMA62C	Core -XII: Dynamics	5	25	75	100	30	40	5
III	18BMA63C	Core -XIII: Complex Analysis	5	25	75	100	30	40	5
III	18BMA64C	Core –XIV: Mathematical Statistics – II	5	25	75	100	30	40	4
III	18BMA65P	Project & Viva – Voce	2	20	80	100	32	40	15
IV	18BMA65S	Skill Based Subject – IV: Latex	4	25	75	100	30	40	3
IV	18BMA6EL	Non-Major Elective Paper – II: Arithmetic For All - II	3	25	75	100	30	40	2
		Total/Credits				3600			140

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(For the students admitted during the academic year 2018-2019 and onwards)

Sub Code	Title of the Paper	Hrs (wk)	Internal (CA) Marks	External Marks	Total Marks	Ext- Min.	Total Pass Mark	Credits
18BPH14A	Allied I: Mathematics –I (For Physics and Chemistry)	8	25	75	100	30	40	
18BST14A	Allied I: Mathematics For Statistics-I	8	25	75	100	30	40	
18BPH24A	Allied II: Mathematics -II (For Physics and Chemistry)	8	25	75	100	30	40	
18BST25A	Allied I: Mathematics For Statistics –II	8	25	75	100	30	40	
18BCS24A	Allied II: Discrete Mathematics For Computer Science	8	25	75	100	30	40	
18BCS34A	Allied III: Operations Research For Computer Science	8	25	75	100	30	40	
18BIT14A	Allied I: Mathematical Foundations for Information Technology	8	25	75	100	30	40	
18BCO34A	Allied III: Business Mathematics	8	25	75	100	30	40	
18BIB25A	Allied I: Mathematics For Business	8	25	75	100	30	40	

CONTENTS

S.No	Title of the Paper	Page No.
1.	Algebra	1
2.	Calculus	3
3.	Numerical Analysis	5
4.	Environmental Studies	7
5.	Differential Equations and Laplace Transforms	9
6.	Analytical Geometry of 2D & 3D	11
7.	Discrete Mathematical Structures	13
8.	Value Education – Gandhian Thoughts	15
9.	Trigonometry, Vector Calculus and Fourier Series	16
10.	Optimization Techniques – I	18
11.	Abstract Algebra	20
12.	Optimization Techniques - II	22
13.	Linear Algebra	24
14.	Real Analysis - I	26
15.	Statics	28
16.	Mathematical Statistics-I	30
17.	C Programming	32
18.	Arithmetic for All - I	34
19.	Real Analysis - II	35
20.	Dynamics	37
21.	Complex Analysis	39
22.	Mathematical Statistics – II	41
23.	Latex	43
24.	Arithmetic For All - II	45
25.	Mathematics –I (For Physics and Chemistry)	46
26.	Mathematics For Statistics-I	48
27.	Mathematics -II (For Physics and Chemistry)	50
28.	Mathematics For Statistics –II	52
29.	Discrete Mathematics For Computer Science	54
30.	Operations Research For Computer Science	56
31.	Mathematical Foundation For Information Technology	58
32.	Business Mathematics (For B.Com)	60
33.	Mathematics For Business For B.Com (IB)	62