



AMBEDKAR COLLEGE OF ARTS & SCIENCE, WANDOOR

(Aided by Govt. of Kerala & Affiliated to University of Calicut)

Wandoor (PO), Pin 679328, Ph: 04931-249666

acaswandoor@gmail.com, Website: www.ambedkarcollegewdr.in

COURSE PLAN

Course code and title	BCM3A11-BASIC NUMERICAL METHODS		
Class	II year B.Com	Semester	III / ODD
Regulation	R-2019	Academic year	2023-24
Course prerequisites	Basic knowledge in Secondary and Higher Secondary Education		
Course objectives	To enable the students to acquire knowledge of numerical equations, matrices and progressions		
	To acquire knowledge about financial mathematics and descriptive statistics		
	To understand, numerical equations, matrix, progression, financial mathematics, descriptive statistics and their applications.		

COURSE OUTCOMES

At the end of the course the student would be able to...

CO1	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.
CO2	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.
CO3	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.
CO4	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.
CO5	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.

MAPPING OF PROGRAM OUTCOMES

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	✓		✓		✓		✓	✓		
CO2	✓		✓				✓			
CO3	✓	✓	✓		✓	✓	✓	✓		
CO4		✓	✓	✓	✓	✓	✓	✓	✓	✓
CO5	✓		✓	✓	✓			✓	✓	



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PO1	Knowledge Acquisiton	PO6	Ethics and Social responsibility.
PO2	Communication, & leadership.	PO7	Research,Innovation& entrepreneurship.
PO3	Professional Skills.	PO8	Lifelong Learning
PO4	Digital intelligence.	PO9	Global perspective.
PO5	Scientific Awareness and Critical Thinking.	PO10	Democratic Co-existence.

PROGRAM SPECIFIC OUTCOMES

PSO1	Business Knowledge, Technological Proficiency and Lifelong Learning
PSO2	Analytical Skills and Ethical Understanding for Global Perspective and Entrepreneurial thinking
PSO3	Communication Skills, Teamwork and Collaboration

MAPPING OF COURSE OUTCOMES TO PROGRAM EDUCATIONAL OUTCOMES

PROGRAM EDUCATIONAL OUTCOMES	COURSE OUTCOMES				
	CO1	CO2	CO3	CO4	CO5
PEO1: Development of Leadership Qualities	✓	✓	✓	✓	✓
PEO2: Lifelong Learning and Societal Contribution		✓	✓	✓	
PEO3: Entrepreneurial and Global Competence			✓	✓	✓

References

TEXT BOOKS:

1. L R Potti-Basic Numerical methods
2. Excel Publications – Basic numerical Skills

REFERENCES:

1. Fundamentals of Statistics – S.C.Gupta
2. Dr. Agarwal.R.S – Quantitative Aptitude for Competitive Examinations,

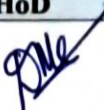
Mode of Evaluation	Internal Examination (20%) End Semester Examination (80%)
Faculty	SHAHUL HAMEED K, Assistant Professor/ Commerce Department
e-mail id	shahulchola@gmail.com



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COURSE PLAN

BCM3A11-BASIC NUMERICAL METHODS

No of lecture hours	Planned Date	Topics to be covered			Reference/ Teaching aids and methods	Actual date	Week ly review
	MODULE I - Numerical expressions and Equations						
1		Numerical expressions and Equations			T1/PPT		
2		Types of equations			T1/PPT		
3		Simple linear equation			T1/WB		
4,5		Simultaneous linear equations with 2 unknowns			T2/ WB		
6,7		Simultaneous linear equations with 3 unknowns			T1/ WB		
8		Quadratic equations- factorization			T1/ WB		
9,10		Quadratic equations- quadratic formula			T2/ WB		
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
10							
	MODULE II - Matrices						
11		Matrices: introduction - type of matrices			T1/PPT		
12		Trace and transpose and determinants of order 2			T1/WB		
13,14		Determinants of order 3 matrix			T2/WB		
15		Matrix operations – addition and subtraction			T1/WB		
16		Matrix operations – multiplication with a scalar			T2 /PPT		
17, 18		Matrix operations – multiplication of 2 matrices			T1/WB		
19, 20		Minor of a matrix			T1/PPT, WB		
21, 22		Cofactors of a matrix			T1/WB		
23, 24		Adjoint of a matrix			T2/WB		
25, 26		Inverse of a matrix			T1/WB		
27		Rank of a matrix			T1,T2/WB		
28		Solving equations by matrices: direct method			T1, T2/WB		
29, 30		Solving equations by matrices: Cramer's Rule			T1, T2/WB		



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Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
				<i>[Signature]</i>			
MODULE III - Sequence, Series and Progression							
31		Sequence, Series and Progression : Concepts and differences			T1/PPT		
32,33		Arithmetic progression- n th term			T2/WB		
34-36		Sum of n terms of an AP			T1/WB		
37,38		Insertion of Arithmetic means in AP			T1/WB		
39, 40		Geometric progression- n th term			T1/PPT, WB		
41-43		Sum of n terms of an GP			T2/WB		
44		Insertion of Geometric Mean in GP			T1/WB		
45		Harmonic progression.			T1/PPT, WB		
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
				<i>[Signature]</i>			
MODULE IV - Interest and Time value							
46		Interest and Time value: Concept of interest-Types of interest			T1/PPT		
47-49		Simple interest			T2/PPT, WB		
50-52		Compound interest			T1/PPT, WB		
53-55		Nominal, real and effective rate of interest			R1/PPT, WB		
56,57		Future value and Present Value			R1/WB		
58-61		Annuity and Perpetuity. Computing future and present values of annuity			T2/WB		
62-63		Growing period perpetuity			T1/PPT, WB		
64		Compound annual growth rate			T1/WB		
65		Equated Monthly Instalments (EMI).			T1/PPT, WB		
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
				<i>[Signature]</i>			
MODULE V - Descriptive Statistics							
66,67		Measures of Central Tendency Arithmetic mean			T1/PPT, WB		
68-70		Measures of Central Tendency Geometric mean			R1/WB		
71		Measures of Central Tendency Harmonic			T1/WB		



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		Mean				
72,73		Measures of Central Tendency Median			R1/WB	
74,75		Measures of Central Tendency Mode			T2/WB	
76,77		Measures of Dispersion: range, mean deviation,			T2/WB	
78,79		Measures of Dispersion: quartile deviation			T1/WB	
80,81		Measures of Dispersion: standard deviation			T1/WB	
82,83		Measures of Dispersion: coefficient of variation			T1/WB	
84-86		Measures of Skewness			T1/PPT, WB	
87-90		Measures of Kurtosis.			T1/PPT, WB	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal	

FACULTY

HOD

PRINCIPAL



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Course outcome –Program outcome Mapping Table

Course outcome –Program outcome Mapping Table												
BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS		Cogniti ve level	Program outcomes									
			1-Low correlation			2-Moderate Correlation			3- High correlation			
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
DIRECT METHOD												
CO1	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	Remem ber	3		2		1		1	1		
CO2	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.	Apply	1		2				1			
CO3	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	Apply & Analyze	3	1	2		2	1	1	2		
CO4	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	Create		1	2	3	2	1	2	3	1	1
CO5	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.	Innovat e	2		2	2	2			3	1	
INDIRECT METHOD												
Class Room contests		Analyze & Create	3	1	2		1		1	2		

Course Faculty

QAC Member

Holder



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COURSE PRE-ANALYSIS

Dear Students,

Welcome back to class, I would like to thank all of you for sparing your time in filling up this Course Pre-Analysis survey for the effective conduct of Computer Aided Design and Manufacturing Course. As you know that this survey is meant for knowing the knowledge level of the students with respect to this course, please fill it very carefully. At this juncture, I am glad to welcome the suggestions from you all (if any).

Rate your prior knowledge about the topics mentioned below

Course Outcomes	Description	Rate your prior knowledge about the topics			
		Excellent (4)	Good (3)	Moderate (2)	Fair (1)
CO1	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.				
CO2	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.				
CO3	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.				
CO4	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.				
CO5	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.				

Name of the student:

Signature of the student



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Course outcome –Program Specific outcome Mapping Table

Course outcomes	Program Specific outcomes		
	PSO1	PSO2	PSO3
CO1	3	2	1
CO2	2	1	1
CO3	2	3	1
CO4	2	3	2
CO5	1	2	3

Course Faculty

IQAC Member

HoD



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DIRECT ASSESSMENT OF COURSE OUTCOMES

INTERNAL ASSESSMENT TEST 40 MARKS			
Objective	To Identify What Students Have Learned and also to identify students strength and weakness		
To file	Answer scripts	Frequency	Atleast 1 time in a semester
Format	Part -A $9 \times 2 = 18$ max.ceiling 15 marks, Part -B $4 \times 5 = 20$ max.ceiling 15 marks, Part -C $1 \times 10 = 10$ marks, Total marks = 40, with 1hour and 15 minutes duration of testing.		
Evaluation	Based on answer given in the scripts		
ASSIGNMENT: 4 MARKS			
Objective	To enhance students understanding of a complex structural problems		
Product	Hand written or printed assignment sheets		
Frequency	1 or 2 times in a semester		
Format	Topics from syllabus		
Evaluation	Based on rubrics		
END SEMESTER EXAMINATION 100 MARKS (Reduced to 80Marks)			
Objective	To assess the each student's knowledge of the course		
Product	Result analysis		
Frequency	Semester		
Format	Part -A $15 \times 2 = 30$ max.ceiling 25 marks, Part -B $8 \times 5 = 40$ max.ceiling 35 marks, Part - C $2 \times 10 = 20$ Marks. Total marks = 80, Duration : 2 hours and 30 minutes		
Evaluation	Based on answer given in the scripts		



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DEPARTMENT OF COMMERCE

COURSE EXIT SURVEY RESPONSES (ODD SEM., 2023-2024)

Course: BCM3A11-BASIC NUMERICAL METHODS

Semester: III

Name of the faculty member: SHAHUL HAMEED K

Sl. No.	NAME OF THE STUDENT	REG NO	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.
COURSE OUTCOMES							
			CO1	CO2	CO3	CO4	CO5
1	BAYANA YASMIN C K	UFAWBCM/001	3 (Good)	2 (Very Fair)	4 (Very Good)	5 (Excellent)	5 (Excellent)
2	FATHIMA FIDA V P	UFAWBCM/002	3 (Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
3	FATHIMA NASHWA K P	UFAWBCM/003	3 (Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
4	FATHIMATH NAFSIYYA	UFAWBCM/004	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)	3 (Good)
5	HIBA	UFAWBCM/005	5 (Excellent)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
6	MARZOUKA	UFAWBCM/006	5 (Excellent)	5 (Excellent)	4 (Very Good)	1 (Fair)	3 (Good)
7	RINSHANA A P	UFAWBCM/007	3 (Good)	2 (Very Fair)	4 (Very Good)	3 (Good)	4 (Very Good)
8	RINSHIM	UFAWBCM/008	2 (Very Fair)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)
9	SHAHALA M	UFAWBCM/010	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	5 (Excellent)
10	SHAHIMA M P	UFAWBCM/011	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)
11	SHAFIMA P	UFAWBCM/012	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)
12	SHIFNA V	UFAWBCM/013	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)

13	ABHILASHA N	UPAWBCMR014	4 (Very Good)	3 (Good)	4 (Very Good)	2 (Very Fair)	4 (Very Good)
14	ABHISHINA R A J K	UPAWBCMR015	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
15	ABHITHA K	UPAWBCMR016	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
16	AMRUTHA V	UPAWBCMR017	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
17	ATHIRA A	UPAWBCMR018	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
18	ATHIRA K P	UPAWBCMR019	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
19	ATHIRA P	UPAWBCMR020	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	3 (Good)
20	DEVIKA GOPINATH	UPAWBCMR021	2 (Very Fair)	5 (Excellent)	4 (Very Good)	4 (Very Good)	4 (Very Good)
21	DEVIKA N	UPAWBCMR022	4 (Very Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)	4 (Very Good)
22	FIMIA THANNY O P	UPAWBCMR023	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
23	GOPIKA KRISHNA T P	UPAWBCMR024	5 (Excellent)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
24	GOPIKA PRASAD P	UPAWBCMR025	5 (Excellent)	4 (Very Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)
25	HARSHANA M L K	UPAWBCMR026	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
26	ISHA MUNNA K C	UPAWBCMR027	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
27	JISNA K	UPAWBCMR028	4 (Very Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)
28	MEGHIA P	UPAWBCMR029	4 (Very Good)	5 (Excellent)	3 (Good)	4 (Very Good)	4 (Very Good)
29	NANADANA B P	UPAWBCMR030	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)
30	NANADANA C	UPAWBCMR031	4 (Very Good)	4 (Very Good)	5 (Excellent)	2 (Very Fair)	1 (Fair)
31	NAYANA P	UPAWBCMR032	4 (Very Good)	5 (Excellent)	3 (Good)	4 (Very Good)	3 (Good)
32	PRATHYUSHA N	UPAWBCMR033	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)
33	RASIKAN P	UPAWBCMR034	1 (Fair)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
34	SANA JASUM P	UPAWBCMR035	4 (Very Good)	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)
35	SANJANA C	UPAWBCMR036	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)
36	SANUSHA P	UPAWBCMR037	4 (Very Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
37	SHILJA K P	UPAWBCMR038	4 (Very Good)	5 (Excellent)	2 (Very Fair)	5 (Excellent)	3 (Good)
38	SNEHA P	UPAWBCMR039	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)	4 (Very Good)
39	SREYA P	UPAWBCMR040	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)
40	THEERTHA C	UPAWBCMR041	3 (Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	4 (Very Good)
41	VARSHAM	UPAWBCMR042	4 (Very Good)	4 (Very Good)	5 (Excellent)	3 (Good)	5 (Excellent)

42	VISMAYA M K	UFAWBCM045	4 (Very Good)	5 (Excellent)	2 (Very Fair)	4 (Very Good)	2 (Very Fair)
43	VAISHNAVI K	UFAWBCM046	4 (Very Good)	2 (Very Fair)	4 (Very Good)	5 (Excellent)	4 (Very Good)
44	AKSHAY DAS P	UFAWBCM047	4 (Very Good)	1 (Fair)	5 (Excellent)	4 (Very Good)	5 (Excellent)
45	ARJUN A	UFAWBCM048	4 (Very Good)	3 (Good)	2 (Very Fair)	5 (Excellent)	2 (Very Fair)
46	ARJUN C	UFAWBCM049	3 (Good)	3 (Good)	3 (Good)	2 (Very Fair)	3 (Good)
47	AHIQ A	UFAWBCM050	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	4 (Very Good)
48	FAWZAN K T	UFAWBCM051	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)	5 (Excellent)
49	JITHU DAS K	UFAWBCM052	3 (Good)	3 (Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
50	MANUKRISHNA M K	UFAWBCM053	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
51	MOHAMMED ASHID T T	UFAWBCM054	5 (Excellent)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
52	MUHAMMED DANISH P	UFAWBCM055	4 (Very Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)	4 (Very Good)
53	MUHAMMED SHABEEL K	UFAWBCM056	5 (Excellent)	3 (Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
54	MUHAMMED AFLAH K S	UFAWBCM057	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
55	NAJIL E	UFAWBCM058	3 (Good)	5 (Excellent)	5 (Excellent)	3 (Good)	5 (Excellent)
56	NIMEESH A C	UFAWBCM059	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
57	ROHITH C	UFAWBCM060	5 (Excellent)	4 (Very Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
58	SAMSON MATHEW	UFAWBCM061	3 (Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)	4 (Very Good)
59	SHIJUN K	UFAWBCM062	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)
60	SREERAJ C	UFAWBCM063	5 (Excellent)	3 (Good)	1 (Fair)	4 (Very Good)	5 (Excellent)
61	VISHNU SANKAR	UFAWBCM064	4 (Very Good)	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)
62	ARSHAD K	UFAWBCM065	5 (Excellent)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
63	HANEEN NAZEER P	UFAWBCM066	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Good)	5 (Excellent)
No. of graded "0"			0	0	0	0	0
No. of graded "1"			1	1	1	1	1
No. of graded "2"			2	3	3	3	2
No. of graded "3"			16	23	14	23	13
No. of graded "4"			34	15	27	16	29
No. of graded "5"			10	21	18	19	18



DEPARTMENT OF COMMERCE

DIRECT ASSESSMENT METHOD - CO ATTAINMENT (ODD SEM . 2023-2024)

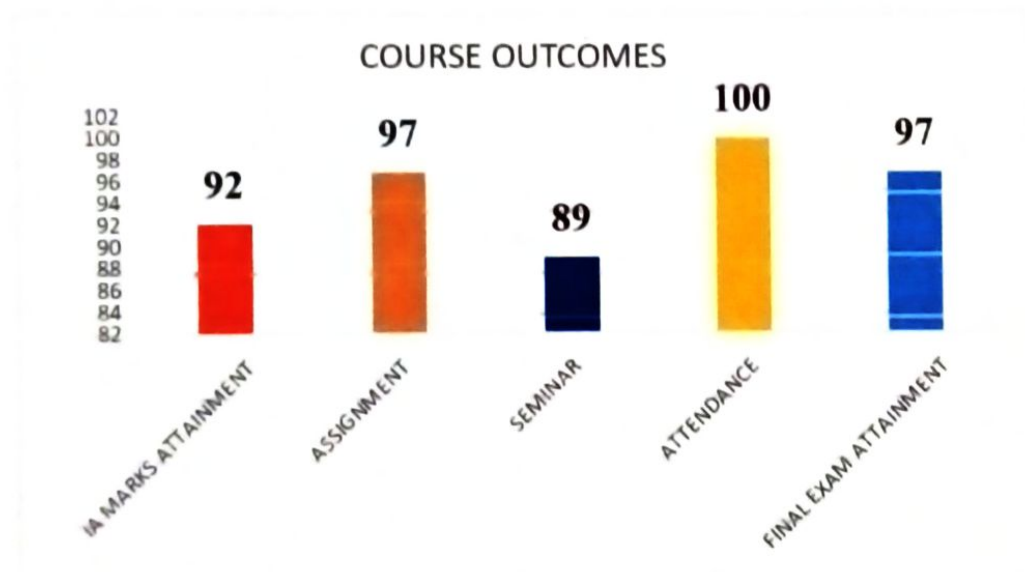
Semester: III

Course: BCM3A11-BASIC NUMERICAL METH

Name of the faculty member: SHAHUL HAMEED K

TARGET: 60% ATTAINMENT

COs	CO1 to CO5
IA MARKS ATTAINMENT	92
ASSIGNMENT	97
SEMINAR	89
ATTENDANCE	100
FINAL EXAM ATTAINMENT	97
AVERAGE	95





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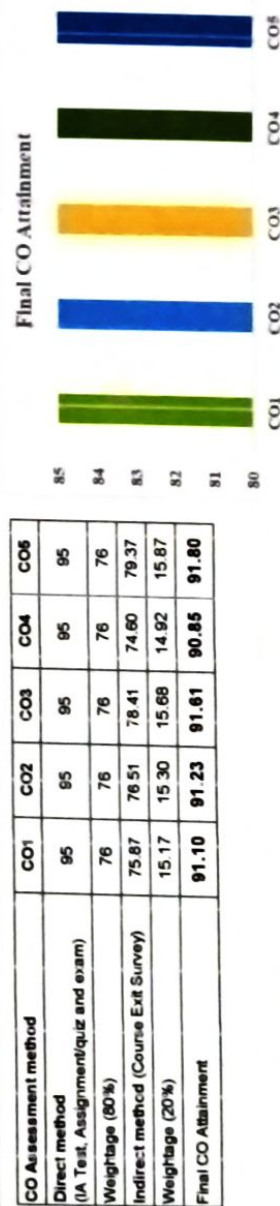
COURSE EXIT SURVEY RESPONSES (ODD SEM. 2023-2024)

Course BCM3A11: BASIC NUMERICAL METHODS

Semester III

Name of the faculty member: SHAHUL HAMEED K

CO No.	CO description	Course Exit Survey Questions	No. of students given the ratings						Total Responses	Weighted Average	CO Max. Count	%age CO attainment
			0	1	2	3	4	5				
CO1	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	0	1	2	16	34	10	63	3.76	5	76.87
CO2	Collect, organize, and present data effectively using appropriate statistical tools and statistical	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.	0	1	3	23	15	21	63	3.83	5	76.81
CO3	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	0	1	3	14	27	18	63	3.92	5	78.41
CO4	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	0	1	3	23	16	19	62	3.73	5	74.60
CO5	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.	0	1	2	13	29	18	63	3.97	5	79.37



CO Assessment method	CO1	CO2	CO3	CO4	CO5
Direct method (IA Test, Assignment/quiz and exam)	95	95	95	95	95
Weightage (80%)	76	76	76	76	76
Indirect method (Course Exit Survey)	75.87	76.51	78.41	74.60	79.37
Weightage (20%)	15.17	15.30	15.68	14.92	15.87
Final CO Attainment	91.10	91.23	91.61	90.85	91.80



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DEPARTMENT OF COMMERCE

CO ATTAINMENT - IA TEST MARKS (ODD SEM. 2023-2024)

Sem.: III

Course: BCM3A11-BASIC NUMERICAL METHODS

Name of the faculty member: SHAHUL HAMEED K

Sl. No.	Name of the student	REG NO	IA TEST	COURSE OUTCOMES	
			Q1 TO Q14	IA TEST	
			CO1 TO CO5	CO1 TO CO5	
		Max. Marks	40	%age	Y/N
1	BAYANA YASMIN C K	UFAWBCM001	40	100	Y
2	FATHIMA FIDA V P	UFAWBCM002	40	100	Y
3	FATHIMA NASHWA K P	UFAWBCM003	40	100	Y
4	FATHIMATH NAFSIYYA	UFAWBCM004	40	100	Y
5	HIBA	UFAWBCM005	40	100	Y
6	MARZOUKA	UFAWBCM006	17	43	Y
7	RINSHANA A P	UFAWBCM007	40	100	Y
8	RINSHI M	UFAWBCM008	34	85	Y
9	SHAHALA M	UFAWBCM010	37	93	Y
10	SHAHMA M P	UFAWBCM011	39	98	Y
11	SHAHMA P	UFAWBCM012	40	100	Y
12	SHIFNA V	UFAWBCM013	40	100	Y
13	ABHALYA N	UFAWBCM014	32	80	Y
14	ABHISHNA RAJ K	UFAWBCM015	39	98	Y
15	ABHITHA K	UFAWBCM016	27	68	Y
16	AMRUTHA V	UFAWBCM017	40	100	Y
17	ATHIRA A	UFAWBCM018	40	100	Y
18	ATHIRA K P	UFAWBCM019	33	83	Y
19	ATHIRA P	UFAWBCM020	39	98	Y
20	DEVIKA GOPINATH	UFAWBCM021	28	70	Y
21	DEVIKA N	UFAWBCM022	35	88	Y
22	FIDHA THASNY O P	UFAWBCM023	40	100	Y
23	GOPIKA KRISHNA T P	UFAWBCM024	11	28	N
24	GOPIKA PRASAD P	UFAWBCM025	27	68	Y



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25	HARSHA MOL K	UFAWBCM026	38	95	Y
26	ISHA MUNNA K C	UFAWBCM027	39	98	Y
27	JISNA K	UFAWBCM028	37	93	Y
28	MEGHA P	UFAWBCM029	40	100	Y
29	NANADANA B P	UFAWBCM030	37	93	Y
30	NANADANA C	UFAWBCM031	22	55	Y
31	NAYANA P	UFAWBCM032	26	65	Y
32	PRATHYUSHA N	UFAWBCM033	19	48	Y
33	RASIKA N P	UFAWBCM034	26	65	Y
34	SANA JASI M P	UFAWBCM035	40	100	Y
35	SANJANA C	UFAWBCM037	40	100	Y
36	SANUSHA P	UFAWBCM038	39	98	Y
37	SHILJA K P	UFAWBCM039	36	90	Y
38	SNEHA P	UFAWBCM041	38	95	Y
39	SREYA P	UFAWBCM042	40	100	Y
40	THEERTHA C	UFAWBCM043	40	100	Y
41	VARSHA M	UFAWBCM044	33	83	Y
42	VISMAYA M K	UFAWBCM045	21	53	Y
43	VAISHNAVI K	UFAWBCM046	40	100	Y
44	AKSHAY DAS P	UFAWBCM047	7	18	N
45	ARJUN A	UFAWBCM048	37	93	Y
46	ARJUN C	UFAWBCM049	10	25	N
47	AHIQ A	UFAWBCM050	40	100	Y
48	FAWZAN K T	UFAWBCM051	35	88	Y
49	JITHU DAS K	UFAWBCM052	40	100	Y
50	MANUKRISHNA M K	UFAWBCM053	9	23	N
51	MOHAMMED ASHID T T	UFAWBCM054	21	53	Y
52	MUHAMMED DANISH P	UFAWBCM055	20	50	Y
53	MUHAMMED SHABEEL K	UFAWBCM056	27	68	Y
54	MUHAMMED AFLAH K S	UFAWBCM057	22	55	Y



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55	NAJIL E	UFAWBCM058	25	63	Y
56	NIMEESH A C	UFAWBCM059	15	38	Y
57	ROHITH C	UFAWBCM060	34	85	Y
58	SAMSON MATHEW	UFAWBCM061	37	93	Y
59	SHUJIN K	UFAWBCM062	40	100	Y
60	SREERAJ C	UFAWBCM063	29	73	Y
61	VISHNU SANKAR	UFAWBCM064	25	63	Y
62	ARSHAD K	UFAWBCM065	10	25	N
63	HANEEN NAZEER P	UFAWBCM066	37	93	Y
				58	
				92.06	

FOR BCM3A11	CO1 to CO5
	92.1

TARGET: 50% OF STUDENTS WILL SCORE 35% OF MARKS



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DEPARTMENT OF COMMERCE

CO ATTAINMENT - ASSIGNMENT(ODD SEM. 2023-2024)

Sem.: III

Course: BCM3A11-BASIC NUMERICAL METHODS

Name of the faculty member: SHAHUL HAMEED K

Sl. No.	Name of the student	REG NO	Max. Marks	ASSIGNMENT CO1 to CO3	SEMINAR CO4 to CO5	ATTENDANCE	COURSE OUTCOMES				ATTENDANCE	
							CO1 - 3	CO4 - 5	Y/N	%age	%age	Y/N
1	BAYANA YASMIN C K	UFAWBCM001	4	4	4	4	%age	Y/N	Y	100	100	Y
2	FATHIMA FIDA V P	UFAWBCM002	4	4	4	4	%age	Y/N	Y	100	100	Y
3	FATHIMA NASHWA K P	UFAWBCM003	4	4	4	4	%age	Y/N	Y	100	100	Y
4	FATHIMATH NAFSIYA	UFAWBCM004	4	4	4	4	%age	Y/N	Y	100	100	Y
5	HIBA	UFAWBCM005	4	4	4	4	%age	Y/N	Y	100	100	Y
6	MARZOUKA	UFAWBCM006	4	3	3	2	%age	Y/N	Y	100	75	Y
7	RINSHANA A P	UFAWBCM007	4	4	4	4	%age	Y/N	Y	100	100	Y
8	RINSHI M	UFAWBCM008	4	4	4	4	%age	Y/N	Y	100	100	Y
9	SHAHALA M	UFAWBCM010	4	4	4	4	%age	Y/N	Y	100	100	Y
10	SHAHMA M P	UFAWBCM011	4	4	4	4	%age	Y/N	Y	100	100	Y
11	SHAHMA P	UFAWBCM012	4	4	4	4	%age	Y/N	Y	100	100	Y
12	SHIFNA V	UFAWBCM013	4	4	4	4	%age	Y/N	Y	100	100	Y
13	ABHALYA N	UFAWBCM014	4	4	4	2	%age	Y/N	Y	100	100	Y
14	ABHISHNA RAJ K	UFAWBCM015	4	4	0	4	%age	Y/N	Y	100	0	N
15	ABHITHA K	UFAWBCM016	4	4	4	4	%age	Y/N	Y	100	100	Y
16	AMRUTHA V	UFAWBCM017	4	4	4	4	%age	Y/N	Y	100	100	Y

17	ATHIRA A	UFAWBCM018	4	4	4	4	100	Y	100	Y	100	Y
18	ATHIRA K P	UFAWBCM019	4	4	4	4	100	Y	100	Y	100	Y
19	ATHIRA P	UFAWBCM020	4	3.5	4	4	100	Y	87.5	Y	100	Y
20	DEVIKA GOPINATH	UFAWBCM021	0	4	2	2	0	N	100	Y	50	Y
21	DEVIKA N	UFAWBCM022	4	3.5	4	4	100	Y	87.5	Y	100	Y
22	FIDHA THASNY O P	UFAWBCM023	4	4	4	4	100	Y	100	Y	100	Y
23	GOPIKA KRISHNA T P	UFAWBCM024	4	3.5	2	2	100	Y	87.5	Y	50	Y
24	GOPIKA PRASAD P	UFAWBCM025	4	4	2	2	100	Y	100	Y	50	Y
25	HARSHA MOL K	UFAWBCM026	4	4	4	4	100	Y	100	Y	100	Y
26	ISHA MUNNA K C	UFAWBCM027	4	4	4	4	100	Y	100	Y	100	Y
27	JISNA K	UFAWBCM028	4	4	4	4	100	Y	100	Y	100	Y
28	MEGHA P	UFAWBCM029	4	4	4	4	100	Y	100	Y	100	Y
29	NANADANA B P	UFAWBCM030	4	4	4	4	100	Y	100	Y	100	Y
30	NANADANA C	UFAWBCM031	4	3.75	4	4	100	Y	93.75	Y	100	Y
31	NAYANA P	UFAWBCM032	4	3.75	4	4	100	Y	93.75	Y	100	Y
32	PRATHYUSHA N	UFAWBCM033	4	3.75	4	4	100	Y	93.75	Y	100	Y
33	RASIKA N P	UFAWBCM034	4	0	4	4	100	Y	0	N	100	Y
34	SANA JASI M P	UFAWBCM035	4	0	4	4	100	Y	0	N	100	Y
35	SANJANA C	UFAWBCM037	4	4	2	2	100	Y	100	Y	50	Y
36	SANUSHA P	UFAWBCM038	4	3.5	4	4	100	Y	87.5	Y	100	Y
37	SHILJA K P	UFAWBCM039	4	3.75	4	4	100	Y	93.75	Y	100	Y
38	SNEHA P	UFAWBCM041	4	4	2	2	100	Y	100	Y	50	Y
39	SREYA P	UFAWBCM042	4	4	4	4	100	Y	100	Y	100	Y
40	THEERTHA C	UFAWBCM043	4	4	4	4	100	Y	100	Y	100	Y
41	VARSHA M	UFAWBCM044	4	3.75	4	4	100	Y	93.75	Y	100	Y
42	VISMAYA M K	UFAWBCM045	4	0	4	4	100	Y	0	N	100	Y
43	VAISHNAVI K	UFAWBCM046	4	4	4	4	100	Y	100	Y	100	Y
44	AKSHAY DAS P	UFAWBCM047	4	1	1	1	100	Y	25	N	25	Y

45	ARJUN A	UFAWBCM048	4	3	2	100	Y	75	Y	50	Y
46	ARJUN C	UFAWBCM049	4	3	2	100	Y	75	Y	50	Y
47	AHIQ A	UFAWBCM050	2	4	4	50	Y	100	Y	100	Y
48	FAWZAN K T	UFAWBCM051	3	4	4	75	Y	100	Y	100	Y
49	JITHU DAS K	UFAWBCM052	4	4	4	100	Y	100	Y	100	Y
50	MANUKRISHNA M K	UFAWBCM053	3	4	1	75	Y	100	Y	25	Y
51	MOHAMMED ASHID T T	UFAWBCM054	4	3.75	4	100	Y	93.75	Y	100	Y
52	MUHAMMED DANISH P	UFAWBCM055	4	3.75	2	100	Y	93.75	Y	50	Y
53	MUHAMMED SHABEEL K	UFAWBCM056	0	0	4	0	N	0	N	100	Y
54	MUHAMMED AFLAH K S	UFAWBCM057	4	4	2	100	Y	100	Y	50	Y
55	NAJIL E	UFAWBCM058	4	4	4	100	Y	100	Y	100	Y
56	NIMEESH A C	UFAWBCM059	4	3	4	100	Y	75	Y	100	Y
57	ROHITH C	UFAWBCM060	4	4	2	100	Y	100	Y	50	Y
58	SAMSON MATHEW	UFAWBCM061	4	3.75	4	100	Y	93.75	Y	100	Y
59	SHIJIN K	UFAWBCM062	4	4	4	100	Y	100	Y	100	Y
60	SREERAJ C	UFAWBCM063	4	4	2	100	Y	100	Y	50	Y
61	VISHNU SANKAR	UFAWBCM064	4	4	4	100	Y	100	Y	100	Y
62	ARSHAD K	UFAWBCM065	3	1	2	75	Y	25	N	50	Y
63	HANEEN NAZEER P	UFAWBCM066	3	4	4	75	Y	100	Y	100	Y
						61	56		63		
						96.83	88.89		100.00		

FOR BCM3A11	CO1 TO 3	CO4 TO 5	ATTENDANCE
	96.83	88.89	100.00

TARGET: 1) 90% OF STUDENTS WILL SCORE 35% OF MARKS IN ASSIGNMENT



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DEPARTMENT OF COMMERCE

CO ATTAINMENT - FINAL EXAM MARKS (ODD SEM. 2023-2024)

Sem.: III

Course: BCM3A11-BASIC NUMERICAL METHODS

Sl. No.	Name of the student	REG NO	COURSE OUTCOMES	CO ATTAINMENT	
			CO 1 TO CO5	CO 1 TO CO5	
		Max. Credit Points	40	%age	Y/N
1	BAYANA YASMIN C K	UFAWBCM001	36	90	Y
2	FATHIMA FIDA V P	UFAWBCM002	32	80	Y
3	FATHIMA NASHWA K P	UFAWBCM003	32	80	Y
4	FATHIMATH NAFSIYYA	UFAWBCM004	28	70	Y
5	HIBA	UFAWBCM005	36	90	Y
6	MARZOUKA	UFAWBCM006	24	60	Y
7	RINSHANA A P	UFAWBCM007	32	80	Y
8	RINSHI M	UFAWBCM008	32	80	Y
9	SHAHALA M	UFAWBCM010	32	80	Y
10	SHAHMA M P	UFAWBCM011	32	80	Y
11	SHAHMA P	UFAWBCM012	36	90	Y
12	SHIFNA V	UFAWBCM013	28	70	Y
13	ABHALYA N	UFAWBCM014	24	60	Y
14	ABHISHNA RAJ K	UFAWBCM015	28	70	Y
15	ABHITHA K	UFAWBCM016	20	50	Y
16	AMRUTHA V	UFAWBCM017	36	90	Y
17	ATHIRA A	UFAWBCM018	28	70	Y
18	ATHIRA K P	UFAWBCM019	28	70	Y
19	ATHIRA P	UFAWBCM020	28	70	Y
20	DEVIKA GOPINATH	UFAWBCM021	20	50	Y
21	DEVIKA N	UFAWBCM022	24	60	Y
22	FIDHA THASNY O P	UFAWBCM023	28	70	Y
23	GOPIKA KRISHNA T P	UFAWBCM024	20	50	Y
24	GOPIKA PRASAD P	UFAWBCM025	24	60	Y
25	HARSHA MOL K	UFAWBCM026	24	60	Y
26	ISHA MUNNA K C	UFAWBCM027	32	80	Y
27	JISNA K	UFAWBCM028	28	70	Y
28	MEGHA P	UFAWBCM029	20	50	Y
29	NANADANA B P	UFAWBCM030	24	60	Y
30	NANADANA C	UFAWBCM031	24	60	Y
31	NAYANA P	UFAWBCM032	24	60	Y
32	PRATHYUSHA N	UFAWBCM033	20	50	Y
33	RASIKA N P	UFAWBCM034	24	60	Y

34	SANA JASI M P	UFAWBCM035	40	100	Y
35	SANJANA C	UFAWBCM037	32	80	Y
36	SANUSHA P	UFAWBCM038	28	70	Y
37	SHILJA K P	UFAWBCM039	28	70	Y
38	SNEHA P	UFAWBCM041	28	70	Y
39	SREYA P	UFAWBCM042	36	90	Y
40	THEERTHA C	UFAWBCM043	40	100	Y
41	VARSHA M	UFAWBCM044	24	60	Y
42	VISMAYA M K	UFAWBCM045	28	70	Y
43	VAISHNAVI K	UFAWBCM046	32	80	Y
44	AKSHAY DAS P	UFAWBCM047	0	0	N
45	ARJUN A	UFAWBCM048	28	70	Y
46	ARJUN C	UFAWBCM049	20	50	Y
47	ASHIQ A	UFAWBCM050	36	90	Y
48	FAWZAN K T	UFAWBCM051	32	80	Y
49	JITHU DAS K	UFAWBCM052	32	80	Y
50	MANUKRISHNA M K	UFAWBCM053	0	0	N
51	MOHAMMED ASHID T T	UFAWBCM054	20	50	Y
52	MUHAMMED DANISH P	UFAWBCM055	0	0	N
53	MUHAMMED SHABEEL K	UFAWBCM056	16	40	Y
54	MUHAMMED AFLAH K S	UFAWBCM057	20	50	Y
55	NAJIL E	UFAWBCM058	20	50	Y
56	NIMEESH A C	UFAWBCM059	16	40	Y
57	ROHITH C	UFAWBCM060	28	70	Y
58	SAMSON MATHEW	UFAWBCM061	28	70	Y
59	SHIJIN K	UFAWBCM062	32	80	Y
60	SREERAJ C	UFAWBCM063	24	60	Y
61	VISHNU SANKAR	UFAWBCM064	16	40	Y
62	ARSHAD K	UFAWBCM065	16	40	Y
63	HANEEN NAZEER P	UFAWBCM066	32	80	Y
				60	
				96.77	

FOR BCM3A11	CO1 to CO5
	96.77

TARGET: 75% OF STUDENTS WILL SCORE 35% OF MARKS

**AMBEDKAR COLLEGE OF ARTS AND SCIENCE,
WANDOOR**

Third Semester B.Com 2022 Admission

Paper: BCM3A11-BASIC NUMERICAL METHODS

SL No	Regno	Name
1	UFAWBCM001	BAYANA YASMIN C K
2	UFAWBCM002	FATHIMA FIDA V P
3	UFAWBCM003	FATHIMA NASHWA K P
4	UFAWBCM004	FATHIMATH NAFSIYYA
5	UFAWBCM005	HIBA
6	UFAWBCM006	MARZOUKA
7	UFAWBCM007	RINSHANA A P
8	UFAWBCM008	RINSHI M
9	UFAWBCM010	SHAHALA M
10	UFAWBCM011	SHAHMA M P
11	UFAWBCM012	SHAHMA P
12	UFAWBCM013	SHIFNA V
13	UFAWBCM014	ABHALYA N
14	UFAWBCM015	ABHISHNA RAJ K
15	UFAWBCM016	ABHITHA K
16	UFAWBCM017	AMRUTHA V
17	UFAWBCM018	ATHIRA A
18	UFAWBCM019	ATHIRA K P
19	UFAWBCM020	ATHIRA P
20	UFAWBCM021	DEVIKA GOPINATH
21	UFAWBCM022	DEVIKA N
22	UFAWBCM023	FIDHA THASNY O P
23	UFAWBCM024	GOPIKA KRISHNA T P
24	UFAWBCM025	GOPIKA PRASAD P
25	UFAWBCM026	HARSHA MOL K
26	UFAWBCM027	ISHA MUNNA K C
27	UFAWBCM028	JISNA K
28	UFAWBCM029	MEGHA P
29	UFAWBCM030	NANADANA B P
30	UFAWBCM031	NANADANA C
31	UFAWBCM032	NAYANA P
32	UFAWBCM033	PRATHYUSHA N
33	UFAWBCM034	RASIKA N P
34	UFAWBCM035	SANA JASI M P
35	UFAWBCM037	SANJANA C
36	UFAWBCM038	SANUSHA P
37	UFAWBCM039	SHILJA K P
38	UFAWBCM041	SNEHA P

39	UFAWBCM042	SREYA P
40	UFAWBCM043	THEERTHA C
41	UFAWBCM044	VARSHA M
42	UFAWBCM045	VISMAYA M K
43	UFAWBCM046	VAISHNAVI K
44	UFAWBCM047	AKSHAY DAS P
45	UFAWBCM048	ARJUN A
46	UFAWBCM049	ARJUN C
47	UFAWBCM050	AHIQ A
48	UFAWBCM051	FAWZAN K T
49	UFAWBCM052	JITHU DAS K
50	UFAWBCM053	MANUKRISHINA M K
51	UFAWBCM054	MOHAMMED ASHID T T
52	UFAWBCM055	MUHAMMED DANISH P
53	UFAWBCM056	MUHAMMED SHABEEL K
54	UFAWBCM057	MUHAMMED AFLAH K S
55	UFAWBCM058	NAJIL E
56	UFAWBCM059	NIMEESH A C
57	UFAWBCM060	ROHITH C
58	UFAWBCM061	SAMSON MATHEW
59	UFAWBCM062	SHIJIN K
60	UFAWBCM063	SREERAJ C
61	UFAWBCM064	VISHNU SANKAR
62	UFAWBCM065	ARSHAD K
63	UFAWBCM066	HANEEN NAZEER P

DHANYA. M
 Assistant Professor & Head
 Department of Commerce
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 Wandoor

**AMBEDKAR COLLEGE OF ARTS AND SCIENCE,
WANDOOR**

Third Semester B.Com 2022 Admission

Paper: BCM3A11-BASIC NUMERICAL METHODS

LIST OF SLOW LEARNERS

SL. No	Reg no	Name
1	UFAWBCM024	GOPIKA KRISHNA T P
2	UFAWBCM047	AKSHAY DAS P
3	UFAWBCM049	ARJUN C
4	UFAWBCM053	MANUKRISHNA M K
5	UFAWBCM065	ARSHAD K

- Students scoring less than 35% of marks in internal examination



DR. M. T. Y. M.
Assistant Professor & Head
Department of Commerce
Ambedkar College of Arts & Science
Wandoor



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DEPARTMENT OF COMMERCE

COURSE EXIT SURVEY RESPONSES (ODD SEM . 2023-2024)

Course: BCM3A11-BASIC NUMERICAL METHODS

Semester: III

Name of the faculty member: SHAHUL HAMEED K

Sl. No.	NAME OF THE STUDENT	REG NO	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.
COURSE OUTCOMES							
1	BAYANA YASMIN C K	UFAWBCM001	3 (Good)	2 (Very Fair)	4 (Very Good)	5 (Excellent)	5 (Excellent)
2	FATHIMA FIDA V P	UFAWBCM002	3 (Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
3	FATHIMA NASHWA K P	UFAWBCM003	3 (Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
4	FATHIMATH NAFSIYYA	UFAWBCM004	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)	3 (Good)
5	HIBA	UFAWBCM005	5 (Excellent)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
6	MARZOUKA	UFAWBCM006	5 (Excellent)	5 (Excellent)	4 (Very Good)	1 (Fair)	3 (Good)
7	RINSHANA A P	UFAWBCM007	3 (Good)	2 (Very Fair)	4 (Very Good)	3 (Good)	4 (Very Good)
8	RINSHI M	UFAWBCM008	2 (Very Fair)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)
9	SHAHALA M	UFAWBCM010	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	5 (Excellent)
10	SHAHMA M P	UFAWBCM011	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)
11	SHAHMA P	UFAWBCM012	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)
12	SHIFNA V	UFAWBCM013	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)

13	ABHALYA N	UFAWBCN0014	4 (Very Good)	3 (Good)	4 (Very Good)	2 (Very Fair)	4 (Very Good)
14	ABHISHNA RAJ K	UFAWBCN0015	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
15	ABHITHA K	UFAWBCN0016	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
16	AMRUTHA V	UFAWBCN0017	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
17	ATHIRA A	UFAWBCN0018	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
18	ATHIRA K P	UFAWBCN0019	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)	3 (Good)
19	ATHIRA P	UFAWBCN0020	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	3 (Good)
20	DEVIKA GOPINATH	UFAWBCN0021	2 (Very Fair)	5 (Excellent)	4 (Very Good)	4 (Very Good)	4 (Very Good)
21	DEVIKA N	UFAWBCN0022	4 (Very Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)	4 (Very Good)
22	FIDHA THASNY O P	UFAWBCN0023	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
23	GOPIKA KRISHNA T P	UFAWBCN0024	5 (Excellent)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
24	GOPIKA PRASAD P	UFAWBCN0025	5 (Excellent)	4 (Very Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)
25	HARSHA MOL K	UFAWBCN0026	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
26	ISHA MUNNA K C	UFAWBCN0027	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
27	JISNA K	UFAWBCN0028	4 (Very Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)
28	MEGHA P	UFAWBCN0029	4 (Very Good)	5 (Excellent)	3 (Good)	4 (Very Good)	4 (Very Good)
29	NANADANA B P	UFAWBCN0030	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)
30	NANADANA C	UFAWBCN0031	4 (Very Good)	4 (Very Good)	5 (Excellent)	2 (Very Fair)	1 (Fair)
31	NAYANA P	UFAWBCN0032	4 (Very Good)	5 (Excellent)	3 (Good)	4 (Very Good)	3 (Good)
32	PRATHYUSHA N	UFAWBCN0033	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)
33	RASIKA N P	UFAWBCN0034	1 (Fair)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
34	SANA JASI M P	UFAWBCN0035	4 (Very Good)	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)
35	SANJANA C	UFAWBCN0037	4 (Very Good)	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)
36	SANUSHA P	UFAWBCN0038	4 (Very Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
37	SHILJA K P	UFAWBCN0039	4 (Very Good)	5 (Excellent)	2 (Very Fair)	5 (Excellent)	3 (Good)
38	SNEHA P	UFAWBCN0041	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)	4 (Very Good)
39	SREYA P	UFAWBCN0042	3 (Good)	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)
40	THEERTHA C	UFAWBCN0043	3 (Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	4 (Very Good)
41	VARSHA M	UFAWBCN0044	4 (Very Good)	4 (Very Good)	5 (Excellent)	3 (Good)	5 (Excellent)

42	VISMAYA M K	UFAW/BCM045	4 (Very Good)	5 (Excellent)	2 (Very Fair)	4 (Very Good)	2 (Very Fair)
43	VAISHNAVI K	UFAW/BCM046	4 (Very Good)	2 (Very Fair)	4 (Very Good)	5 (Excellent)	4 (Very Good)
44	AKSHAY DAS P	UFAW/BCM047	4 (Very Good)	1 (Fair)	5 (Excellent)	4 (Very Good)	5 (Excellent)
45	ARIJUN A	UFAW/BCM048	4 (Very Good)	3 (Good)	2 (Very Fair)	5 (Excellent)	2 (Very Fair)
46	ARIJUN C	UFAW/BCM049	3 (Good)	3 (Good)	3 (Good)	2 (Very Fair)	3 (Good)
47	AHIQ A	UFAW/BCM050	3 (Good)	4 (Very Good)	3 (Good)	3 (Good)	4 (Very Good)
48	FAWZAN K T	UFAW/BCM051	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)	5 (Excellent)
49	JITHU DAS K	UFAW/BCM052	3 (Good)	3 (Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
50	MANUKRISHNA M K	UFAW/BCM053	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
51	MOHAMMED ASHID T T	UFAW/BCM054	5 (Excellent)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
52	MUHAMMED DANISH P	UFAW/BCM055	4 (Very Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)	4 (Very Good)
53	MUHAMMED SHABEEL K	UFAW/BCM056	5 (Excellent)	3 (Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
54	MUHAMMED AFLAH K S	UFAW/BCM057	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
55	NAJIL E	UFAW/BCM058	3 (Good)	5 (Excellent)	5 (Excellent)	3 (Good)	5 (Excellent)
56	NIMEESH A C	UFAW/BCM059	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
57	ROHITH C	UFAW/BCM060	5 (Excellent)	4 (Very Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
58	SAMSON MATHEW	UFAW/BCM061	3 (Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)	4 (Very Good)
59	SHIJUN K	UFAW/BCM062	4 (Very Good)	4 (Very Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)
60	SREERAJ C	UFAW/BCM063	5 (Excellent)	3 (Good)	1 (Fair)	4 (Very Good)	5 (Excellent)
61	VISHNU SANKAR	UFAW/BCM064	4 (Very Good)	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)
62	ARSHAD K	UFAW/BCM065	5 (Excellent)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
63	HANEEN NAZEER P	UFAW/BCM066	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Good)	5 (Excellent)
No. of graded "0"			0	0	0	0	0
No. of graded "1"			1	1	1	1	1
No. of graded "2"			2	3	3	3	2
No. of graded "3"			16	23	14	23	13
No. of graded "4"			34	15	27	16	29
No. of graded "5"			10	21	18	19	18

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR**Third Semester B.Com 2022 Admission****ASSIGNMENT****Paper: BCM3A11-BASIC NUMERICAL METHODS**

SL No	Regno	Name	Topic	Marks Awarded
1	UFAWBCM001	BAYANA YASMIN C K	simultaneous equations with 2 unknowns	4
2	UFAWBCM002	FATHIMA FIDA V P	simple interest	4
3	UFAWBCM003	FATHIMA NASHWA K P	simple interest - findout value of r	4
4	UFAWBCM004	FATHIMATH NAFSIYYA	simple interest	4
5	UFAWBCM005	HIBA	compound interest	4
6	UFAWBCM006	MARZOUKA	simple interest	4
7	UFAWBCM007	RINSHANA A P	quadratic equations	4
8	UFAWBCM008	RINSHI M	simple interest	4
9	UFAWBCM010	SHAHALA M	compound interest	4
10	UFAWBCM011	SHAHMA M P	simple interest	4
11	UFAWBCM012	SHAHMA P	Simple interest	4
12	UFAWBCM013	SHIFNA V	multiplication of matrices	4
13	UFAWBCM014	ABHALYA N	determinant of 2*2 matrix	4
14	UFAWBCM015	ABHISHNA RAJ K	compound interest	4
15	UFAWBCM016	ABHITHA K	compound interest	4
16	UFAWBCM017	AMRUTHA V	adjoint of 2*2	4
17	UFAWBCM018	ATHIRA A	sum of n terms of an AP	4
18	UFAWBCM019	ATHIRA K P	rank of 2*2 matrix	4
19	UFAWBCM020	ATHIRA P	simultaneous equations with 2 unknowns	4
20	UFAWBCM021	DEVIKA GOPINATH	crammers rule	0
21	UFAWBCM022	DEVIKA N	addition of matrix	4
22	UFAWBCM023	FIDHA THASNY O P	simple interest	4
23	UFAWBCM024	GOPIKA KRISHNA T P	simple interest	4
24	UFAWBCM025	GOPIKA PRASAD P	simple interest - findout value of n	4
25	UFAWBCM026	HARSHA MOL K	adjoint of 2*2	4
26	UFAWBCM027	ISHA MUNNA K C	determinant of 3*3 matrix	4
27	UFAWBCM028	JISNA K	n th term of an AP	4
28	UFAWBCM029	MEGHA P	determinant of 3*3 matrix	4
29	UFAWBCM030	NANADANA B P	crammers rule	4
30	UFAWBCM031	NANADANA C	simple interest - findout value of n	4
31	UFAWBCM032	NAYANA P	simple interest	4
32	UFAWBCM033	PRATHYUSHA N	determinant of 3*3 matrix	4
33	UFAWBCM034	RASIKA N P	simple interest	4
34	UFAWBCM035	SANA JASI M P	inverse of 2*2	4
35	UFAWBCM037	SANJANA C	transpose	4
36	UFAWBCM038	SANUSHA P	simple interest - findout value of n	4
37	UFAWBCM039	SHILJA K P	determinant of 2*2 matrix	4
38	UFAWBCM041	SNEHA P	determinant of 2*2 matrix	4
39	UFAWBCM042	SREYA P	rank of 2*2 matrix	4
40	UFAWBCM043	THEERTHA C	quadratic equations	4
41	UFAWBCM044	VARSHA M	simultaneous equations with 2 unknowns	4

42	UFAWBCM045	VISMAYA M K	compound interest	4
43	UFAWBCM046	VAISHNAVI K	matrix operations	4
44	UFAWBCM047	AKSHAY DAS P	simple interest - findout value of n	4
45	UFAWBCM048	ARJUN A	simultaneous equations with 2 unkowns	4
46	UFAWBCM049	ARJUN C	simple interest - findout value of n	4
47	UFAWBCM050	ASHIQ A	inverse of 2×2	2
48	UFAWBCM051	FAWZAN K T	simple interest	3
49	UFAWBCM052	JITHU DAS K	simultaneous equations with 2 unkowns	4
50	UFAWBCM053	MANUKRISHNA M K	simple interest	3
51	UFAWBCM054	MOHAMMED ASHID T T	quadratic equations	4
52	UFAWBCM055	MUHAMMED DANISH P	simultaneous equations with 2 unkowns	4
53	UFAWBCM056	MUHAMMED SHABEEL K	quadratic equations	0
54	UFAWBCM057	MUHAMMED AFLAH K S	crammers rule	4
55	UFAWBCM058	NAJIL E	quadratic equations	4
56	UFAWBCM059	NIMEESH A C	addition of matrix	4
57	UFAWBCM060	ROHITH C	determinant of 2×2 matrix	4
58	UFAWBCM061	SAMSON MATHEW	co-factors	4
59	UFAWBCM062	SHIJIN K	simple interest	4
60	UFAWBCM063	SREERAJ C	simple interest - findout value of n	4
61	UFAWBCM064	VISHNU SANKAR	equation using matrix	4
62	UFAWBCM065	ARSHAD K	simple interest - findout value of n	3
63	UFAWBCM066	HANEEN NAZEER P	compound interest	3

DHANYA. M
 Assistant Professor & Head
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 Wandoor

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOR

Third Semester B.Com 2022 Admission

Paper: BCM3A11-BASIC NUMERICAL METHODS

SL No	Regno	Name	Internal Marks (40)
1	UFAWBCM001	BAYANA YASMIN C K	40
2	UFAWBCM002	FATHIMA FIDA V P	40
3	UFAWBCM003	FATHIMA NASHWA K P	40
4	UFAWBCM004	FATHIMATH NAFSIYYA	40
5	UFAWBCM005	HIBA	40
6	UFAWBCM006	MARZOUKA	17
7	UFAWBCM007	RINSHANA A P	40
8	UFAWBCM008	RINSHI M	34
9	UFAWBCM010	SHAHALA M	37
10	UFAWBCM011	SHAHMA M P	39
11	UFAWBCM012	SHAHMA P	40
12	UFAWBCM013	SHIFNA V	40
13	UFAWBCM014	ABHALYA N	32
14	UFAWBCM015	ABHISHNA RAJ K	39
15	UFAWBCM016	ABHITHA K	27
16	UFAWBCM017	AMRUTHA V	40
17	UFAWBCM018	ATHIRA A	40
18	UFAWBCM019	ATHIRA K P	33
19	UFAWBCM020	ATHIRA P	39
20	UFAWBCM021	DEVIKA GOPINATH	28
21	UFAWBCM022	DEVIKA N	35
22	UFAWBCM023	FIDHA THASNY O P	40
23	UFAWBCM024	GOPIKA KRISHNA T P	11
24	UFAWBCM025	GOPIKA PRASAD P	27
25	UFAWBCM026	HARSHA MOL K	38
26	UFAWBCM027	ISHA MUNNA K C	39
27	UFAWBCM028	JISNA K	37
28	UFAWBCM029	MEGHA P	40
29	UFAWBCM030	NANADANA B P	37
30	UFAWBCM031	NANADANA C	22
31	UFAWBCM032	NAYANA P	26
32	UFAWBCM033	PRATHYUSHA N	19
33	UFAWBCM034	RASIKA N P	26
34	UFAWBCM035	SANA JASI M P	40
35	UFAWBCM037	SANJANA C	40
36	UFAWBCM038	SANUSHA P	39
37	UFAWBCM039	SHILJA K P	36

38	UFAWBM0041	SNEHA P	38
39	UFAWBM0042	SREYA P	40
40	UFAWBM0043	THEERTHA C	40
41	UFAWBM0044	VARSHA M	33
42	UFAWBM0045	VISMAYA M K	21
43	UFAWBM0046	VADHNAVI K	40
44	UFAWBM0047	AKSHAY DAS P	7
45	UFAWBM0048	ARJUN A	37
46	UFAWBM0049	ARJUN C	10
47	UFAWBM0050	ANIK A	40
48	UFAWBM0051	PAWZAN K T	35
49	UFAWBCM0052	JITHU DAS K	40
50	UFAWBCM0053	MANUKRISHNA M K	9
51	UFAWBCM0054	MOHAMMED ASHID T T	21
52	UFAWBCM0055	MUHAMMED DANISH P	29
53	UFAWBCM0056	MUHAMMED SHABEEL K	27
54	UFAWBCM0057	MUHAMMED AFLAH K S	22
55	UFAWBCM0058	NAJIL E	25
56	UFAWBCM0059	NIMEESH A C	15
57	UFAWBCM0060	ROHITH C	34
58	UFAWBCM0061	SAMSON MATHEW	37
59	UFAWBCM0062	SHIJIN K	40
60	UFAWBCM0063	SREERAJ C	29
61	UFAWBCM0064	VISHNU SANKAR	25
62	UFAWBCM0065	ARSHAD K	10
63	UFAWBCM0066	HANEEN NAZEER P	37

Dhanya M

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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Third Semester B.Com 2022 Admission

Paper: BCM3A11-BASIC NUMERICAL METHODS

SL No	Regno	Name	Attendance	Assignment	Seminar	Internal Exam	Total	Signature
1	UFAWBCM001	BAYANA YASMIN C K	4	4	4	8	20	
2	UFAWBCM002	FATHIMA FIDA V P	4	4	4	8	20	
3	UFAWBCM003	FATHIMA NASHWA K P	4	4	4	8	20	
4	UFAWBCM004	FATHIMATH NAFSIYYA	4	4	4	8	20	
5	UFAWBCM005	HIBA	4	4	4	8	20	
6	UFAWBCM006	MARZOUKA	2	4	3	2	11	
7	UFAWBCM007	RINSHANA A P	4	4	4	8	20	
8	UFAWBCM008	RINSHI M	4	4	4	8	20	
9	UFAWBCM010	SHAHALA M	4	4	4	8	20	
10	UFAWBCM011	SHAHMA M P	4	4	4	8	20	
11	UFAWBCM012	SHAHMA P	4	4	4	8	20	
12	UFAWBCM013	SHIFNA V	4	4	4	8	20	
13	UFAWBCM014	ABHALYA N	2	4	4	6	16	
14	UFAWBCM015	ABHISHNA RAJ K	4	4	0	8	16	
15	UFAWBCM016	ABHITHA K	4	4	4	6	18	
16	UFAWBCM017	AMRUTHA V	4	4	4	8	20	
17	UFAWBCM018	ATHIRA A	4	4	4	8	20	
18	UFAWBCM019	ATHIRA K P	4	4	4	6	18	
19	UFAWBCM020	ATHIRA P	4	4	3.5	8	20	
20	UFAWBCM021	DEVIKA GOPINATH	2	0	4	6	12	
21	UFAWBCM022	DEVIKA N	4	4	3.5	8	20	
22	UFAWBCM023	FIDHA THASNY O P	4	4	4	8	20	
23	UFAWBCM024	GOPIKA KRISHNA T P	2	4	3.5	1	11	
24	UFAWBCM025	GOPIKA PRASAD P	2	4	4	6	16	
25	UFAWBCM026	HARSHA MOL K	4	4	4	8	20	
26	UFAWBCM027	ISHA MUNNA K C	4	4	4	8	20	
27	UFAWBCM028	JISNA K	4	4	4	8	20	
28	UFAWBCM029	MEGHA P	4	4	4	8	20	
29	UFAWBCM030	NANADANA B P	4	4	4	8	20	
30	UFAWBCM031	NANADANA C	4	4	3.75	4	16	
31	UFAWBCM032	NAYANA P	4	4	3.75	6	18	
32	UFAWBCM033	PRATHYUSHA N	4	4	3.75	3	15	
33	UFAWBCM034	RASIKA N P	4	4	0	6	14	
34	UFAWBCM035	SANA JASI M P	4	4	0	8	16	
35	UFAWBCM037	SANJANA C	2	4	4	8	18	
36	UFAWBCM038	SANUSHA P	4	4	3.5	8	20	
37	UFAWBCM039	SHILJA K P	4	4	3.75	8	20	
38	UFAWBCM041	SNEHA P	2	4	4	8	18	
39	UFAWBCM042	SREYA P	4	4	4	8	20	
40	UFAWBCM043	THEERTHA C	4	4	4	8	20	

41	UFAWBCM044	VARSHA M	4	4	3.75	6	18	
42	UFAWBCM045	VISMAYA M K	4	4	0	3	11	
43	UFAWBCM046	VAISHNAVI K	4	4	4	8	20	
44	UFAWBCM047	AKSHAY DAS P	1	4	1	1	7	
45	UFAWBCM048	ARJUN A	2	4	3	8	17	
46	UFAWBCM049	ARJUN C	2	4	3	1	10	
47	UFAWBCM050	AHIQ A	4	2	4	8	18	
48	UFAWBCM051	FAWZAN K T	4	3	4	8	19	
49	UFAWBCM052	JITHU DAS K	4	4	4	8	20	
50	UFAWBCM053	MANUKRISHNA M K	1	3	4	1	9	
51	UFAWBCM054	MOHAMMED ASHID T T	4	4	3.75	3	15	
52	UFAWBCM055	MUHAMMED DANISH P	2	4	3.75	3	13	
53	UFAWBCM056	MUHAMMED SHABEEL K	4	0	0	6	10	
54	UFAWBCM057	MUHAMMED AFLAH K S	2	4	4	4	14	
55	UFAWBCM058	NAJIL E	4	4	4	4	16	
56	UFAWBCM059	NIMEESH A C	4	4	3	2	13	
57	UFAWBCM060	ROHITH C	2	4	4	8	18	
58	UFAWBCM061	SAMSON MATHEW	4	4	3.75	8	20	
59	UFAWBCM062	SHIJIN K	4	4	4	8	20	
60	UFAWBCM063	SREERAJ C	2	4	4	6	16	
61	UFAWBCM064	VISHNU SANKAR	4	4	4	4	16	
62	UFAWBCM065	ARSHAD K	2	3	1	1	7	
63	UFAWBCM066	HANEEN NAZEER P	4	3	4	8	19	

Name of the teacher :

Signature :

DHANYA. M
Assistant Professor & Head
Department of Commerce
Ambedkar College of Arts & Science
Wandoor

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOR

Third Semester B.com – First Internal Examination November 2023

BCM3A11-Basic Numerical Methods

Time : 1 Hour and 15 minutes

Maximum Marks : 40

Answer at least Eight Questions each carries two marks. All questions can be attended.

Overall ceiling 15

1. Differentiate Singular and Non-singular Matrix?
2. What is Quadratic Equation?
3. Solve $3x^2 - 75 = 0$
4. Define Rank of a matrix.
5. Solve $7x - 21 - 3x + 13 = 7 + 6x - 19$
6. $A = \begin{bmatrix} 0 & 5 & 6 \\ -5 & 0 & 7 \\ -6 & -7 & -1 \end{bmatrix}$ Find transpose.
7. Find Determinant of $A = \begin{bmatrix} 4 & -4 \\ -1 & 1 \end{bmatrix}$
8. $A = \begin{bmatrix} -7 & -2 & 4 \\ 2 & 7 & 6 \\ 1 & -1 & 0 \end{bmatrix}$ Find Co-factors of -2 and 6.
9. What do you mean by Linear Equations?

Answer at least Three Questions each carries Five marks. All questions can be attended.

Overall ceiling 15

10. Solve $2x + 5y = 7$ and $4x - y = 3$
11. $A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 0 & 1 \\ 1 & -1 & 2 \end{bmatrix}$, $B = \begin{bmatrix} 1 & 0 & 5 \\ 2 & -1 & 2 \\ 1 & 0 & 1 \end{bmatrix}$ and $C = \begin{bmatrix} 1 & 0 & 1 \\ 2 & -1 & 1 \\ 1 & -1 & 0 \end{bmatrix}$ Find $AB - C$
12. Solve $4x^2 - 33x + 8 = 0$
13. Solve $\frac{x+y}{3} = \frac{2x+y}{4}$ and $7((x-y) + 2(x+y)) + 1$

Answer at any One Question carries ten marks.

14. Find Inverse of $A = \begin{bmatrix} 2 & -1 & 1 \\ -1 & 2 & -1 \\ 1 & -1 & 2 \end{bmatrix}$
15. Solve by using crammer's rule
 $2x + 3y - z = 4$, $4x + 6y + z = 11$ and $x - 3y + z = -1$

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Third Semester B.Com 2022 Admission

SEMINAR

Paper: BCM3A11-BASIC NUMERICAL METHODS

SL No	Regno	Name	Topic	Marks Awarded
1	UFAWBCM001	BAYANA YASMIN C K	simultaneous equations with 2 unknowns	4
2	UFAWBCM002	FATHIMA FIDA V P	simple interest	4
3	UFAWBCM003	FATHIMA NASHWA K P	simple interest - findout value of r	4
4	UFAWBCM004	FATHIMATH NAFSIYYA	simple interest	4
5	UFAWBCM005	HIBA	compound interest	4
6	UFAWBCM006	MARZOUKA	simple interest	3
7	UFAWBCM007	RINSHANA A P	quadratic equations	4
8	UFAWBCM008	RINSHI M	simple interest	4
9	UFAWBCM010	SHAHALA M	compound interest	4
10	UFAWBCM011	SHAHMA M P	simple interest	4
11	UFAWBCM012	SHAHMA P	Simple interest	4
12	UFAWBCM013	SHIFNA V	multiplication of matrices	4
13	UFAWBCM014	ABHALYA N	determinant of 2*2 matrix	4
14	UFAWBCM015	ABHISHNA RAJ K	compound interest	0
15	UFAWBCM016	ABHITHA K	compound interest	4
16	UFAWBCM017	AMRUTHA V	adjoint of 2*2	4
17	UFAWBCM018	ATHIRA A	sum of n terms of an AP	4
18	UFAWBCM019	ATHIRA K P	rank of 2*2 matrix	4
19	UFAWBCM020	ATHIRA P	simultaneous equations with 2 unknowns	3.5
20	UFAWBCM021	DEVIKA GOPINATH	crammers rule	4
21	UFAWBCM022	DEVIKA N	addition of matrix	3.5
22	UFAWBCM023	FIDHA THASNY O P	simple interest	4
23	UFAWBCM024	GOPIKA KRISHNA T P	simple interest	3.5
24	UFAWBCM025	GOPIKA PRASAD P	simple interest - findout value of n	4
25	UFAWBCM026	HARSHA MOL K	adjoint of 2*2	4
26	UFAWBCM027	ISHA MUNNA K C	determinant of 3*3 matrix	4
27	UFAWBCM028	JISNA K	n th term of an AP	4
28	UFAWBCM029	MEGHA P	determinant of 3*3 matrix	4
29	UFAWBCM030	NANADANA B P	crammers rule	4
30	UFAWBCM031	NANADANA C	simple interest - findout value of n	3.75
31	UFAWBCM032	NAYANA P	simple interest	3.75
32	UFAWBCM033	PRATHYUSHA N	determinant of 3*3 matrix	3.75
33	UFAWBCM034	RASIKA N P	simple interest	0
34	UFAWBCM035	SANA JASI M P	inverse of 2*2	0
35	UFAWBCM037	SANJANA C	transpose	4
36	UFAWBCM038	SANUSHA P	simple interest - findout value of n	3.5
37	UFAWBCM039	SHILJA K P	determinant of 2*2 matrix	3.75
38	UFAWBCM041	SNEHA P	determinant of 2*2 matrix	4
39	UFAWBCM042	SREYA P	rank of 2*2 matrix	4
40	UFAWBCM043	THEERTHA C	quadratic equations	4
41	UFAWBCM044	VARSHA M	simultaneous equations with 2 unknowns	3.75

42	UFAWBCM045	VISMAYA M K	compound interest	0
43	UFAWBCM046	VAISHNAVI K	matrix operations	4
44	UFAWBCM047	AKSHAY DAS P	simple interest - findout value of n	1
45	UFAWBCM048	ARJUN A	simultaneous equations with 2 unkowns	3
46	UFAWBCM049	ARJUN C	simple interest - findout value of n	3
47	UFAWBCM050	ASHIQ A	inverse of 2*2	4
48	UFAWBCM051	FAWZAN K T	simple interest	4
49	UFAWBCM052	JITHU DAS K	simultaneous equations with 2 unkowns	4
50	UFAWBCM053	MANUKRISHNA M K	simple interest	4
51	UFAWBCM054	MOHAMMED ASHID T T	quadratic equations	3.75
52	UFAWBCM055	MUHAMMED DANISH P	simultaneous equations with 2 unkowns	3.75
53	UFAWBCM056	MUHAMMED SHABEEL K	quadratic equations	0
54	UFAWBCM057	MUHAMMED AFLAH K S	crammers rule	4
55	UFAWBCM058	NAJIL E	quadratic equations	4
56	UFAWBCM059	NIMEESH A C	addition of matrix	3
57	UFAWBCM060	ROHITH C	determinant of 2*2 matrix	4
58	UFAWBCM061	SAMSON MATHEW	co-factors	3.75
59	UFAWBCM062	SHIJIN K	simple interest	4
60	UFAWBCM063	SREERAJ C	simple interest - findout value of n	4
61	UFAWBCM064	VISHNU SANKAR	equation using matrix	4
62	UFAWBCM065	ARSHAD K	simple interest - findout value of n	1
63	UFAWBCM066	HANEEN NAZEER P	compound interest	4

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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

DEPARTMENT OF COMMERCE

ACADEMIC YEAR 2023-24

BASIC NUMERICAL METHODS

Days	Class	9.30-10.25	10.25-10.35	10.35-11.30	11.30-12.30	12.30-1.30	1.30-2.30	2.30-3.30
MON	III SEM	Basic Numerical Methods SHL*	INTERVAL					
TUE	III SEM				Basic Numerical Methods SHL*			
WED	III SEM			Basic Numerical Methods ANV		LUNCH BREAK	Basic Numerical Methods SHL*	
THU	III SEM			Basic Numerical Methods ANV				
FRI	III SEM							

Dr. ABDUL NASAR.V.P
SHAHUL HAMEED K

ANV
SHL*

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DEPARTMENT OF COMMERCE

COURSE EXIT SURVEY RESPONSES (ODD SEM. 2023-2024)

Course BCM3A11: BASIC NUMERICAL METHODS

Semester: III

Name of the faculty member: SHAMUL HAMEED K.

CO No.	CO description	Course Exit Survey Questions	No. of students given the ratings						Total Responses	Weighted Average	CO Max. Count	%age CO attainment
			0	1	2	3	4	5				
CO1	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	Demonstrate a solid understanding of fundamental mathematical and statistical concepts and process.	0	1	2	16	34	10	63	3.76	5	76.87
CO2	Collect, organize, and present data effectively using appropriate statistical tools and	Collect, organize, and present data effectively using appropriate statistical tools and visualization techniques.	0	1	3	23	15	21	63	3.85	5	76.81
CO3	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	Develop critical thinking and problem-solving skills to apply mathematical and statistical methods to real-world business challenges.	0	1	3	14	27	18	63	3.92	5	76.41
CO4	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	Students will apply basic numerical skills in practical scenarios, such as shopping, cooking, and financial planning.	0	1	3	23	16	19	62	3.75	5	74.60
CO5	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.	Students will enhance their critical thinking skills by analyzing numerical information and making informed decisions based on quantitative data.	0	1	2	13	29	18	63	3.97	5	79.37

CO Assessment method	CO1	CO2	CO3	CO4	CO5
Direct method (IA Test, Assignment/quiz and exam)	95	95	95	95	95
Weightage (80%)	76	76	76	76	76
Indirect method (Course Exit Survey)	75.87	76.51	78.41	74.80	79.37
Weightage (20%)	15.17	15.30	15.68	14.92	15.87
Final CO Attainment	91.10	91.23	91.61	90.85	91.80

