



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	BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS		
Class	II year B.Com	Semester	IV
Regulation	R-2019	Academic year	2023-24
Course prerequisites	BCM3A11 Basic Numerical Skills		
Course objectives	To familiarize student with the use quantitative techniques in managerial decision making.		
	To provide an overview of how statistical methods are used to formulate data into information for Managerial decision-making processes.		

COURSE OUTCOMES

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

CO1	To provide a basic idea of quantitative techniques used in business
CO2	To study the correlation and regression techniques
CO3	To learn probability theories
CO4	To understand theoretical distributions prominently in use
CO5	To learn linear programming methods.

MAPPING OF PROGRAM OUTCOMES

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	✓							✓		
CO2	✓	✓	✓		✓		✓	✓		
CO3	✓		✓		✓		✓	✓		
CO4	✓									
CO5	✓		✓	✓	✓		✓	✓		
PO1	Knowledge Acquisition					PO6	Ethics and Social responsibility.			


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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 – Quantitative Techniques
2. Excel Publications – Quantitative Techniques

REFERENCES:

1. S.P.Gupta, Statistical Methods

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

COURSE PLAN

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BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS

No of lecture hours	Planned Date	Topics to be covered			Reference/ Teaching aids and methods	Actual date	Weekl y review w
MODULE I - QUANTITATIVE TECHNIQUES							
1		Quantitative Techniques – Introduction, Meaning and definition			T1/PPT	11.01.24	
2		Application of QT in business			T1/PPT	17.01.24	
3,4		Classification of Q.T - QT and other disciplines			T1/PPT	15.01.24	
5		Limitations				18.01.24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
							
MODULE II - CORRELATION AND REGRESSION ANALYSIS							
6		Meaning and definition of Correlation			R1/PPT		
7-9		Karl Pearson's co-efficient of correlation			T2/WB		
10-12		Rank correlation			T2/WB		
13		Regression – Types			T1/PPT		
14-17		Determination of simple linear regression			T2 /WB		
18		Coefficient of determination			T1/WB		
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
							
MODULE III - SET THEORY AND PROBABILITY							
19,20		Set Theory and applications			R1/PPT,WB	22.01.24	
21		Venn Diagrams			T2/WB,PPT	23.01.24	
22		Probability: Concept of probability - Meaning and definition			T1/WB,PPT	24.01.24	
23-26		Approaches to probability - Theorems of probability			T1/WB,PPT	25.01.24	
27-29		Addition Theorem - Multiplication Theorem			R1/WB,PPT	05.02.24	
30-32		Conditional probability			T1/WB,PPT	07.02.24	
33		Inverse probability			T1/WB,PPT	21.02.24	
34-37		Baye's Theorem			T1/WB,PPT	27.02.24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD	Review by Principal		
							
MODULE IV - THEORETICAL DISTRIBUTION							
38		Theoretical Distribution Introduction			T1/PPT	28.02.24	

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39		Basic assumptions and characteristics				T2/PPT	04.03.24	
40		Probability distribution -				T1/PPT	04.03.24	
41		Fitting of probability distribution				R1/PPT	04.03.24	
42,43		Binomial distribution				R1/PPT,WB	05.03.24	
44-46		Fitting of binomial distribution -				T2/WB	06.03.24	
47,48		Poisson distribution				R1/PPT,WB	07.03.24	
49-51		Fitting of Poisson distribution				T2/WB	12.03.24	
52-54		Normal distribution - Features and properties				R1/PPT,WB	13.03.24	
55-59		Standard normal curve				T2/WB	19.03.24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
								
MODULE V - QUANTITATIVE APPROACH TO DECISION MAKING								
60		Introduction to Decision making Process				T1/PPT	20.03.24	
61-63		Types and steps in decision making				R1/WB,PPT	21.03.24	
64		Decision tree analysis				T1/WB,PPT	25.03.24	
65		Different types of models				R1/WB	26.03.24	
66		Model building steps				T2/WB	27.03.24	
67-69		Linear programming concepts				T2/WB	03.06.24	
70-72		Mathematical formulation				T2/WB	04.06.24	
73-75		Solution of LPP using graphic method				T1/WB	05.06.24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
						 PRINCIPAL K. J. SOMAIYA COLLEGE OF SCIENCE PUNJAPURAM DT.		

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WANDOOR, PIN APPURAM DT.

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			
			P O 1	P O 2	PO3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0
DIRECT METHOD												
CO1	To provide a basic idea of quantitative techniques used	Remem ber	3							1		

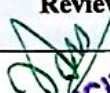
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39		Basic assumptions and characteristics				T2/PPT	04.03.24	
40		Probability distribution -				T1/PPT	09.03.24	
41		Fitting of probability distribution				R1/PPT	04.03.24	
42,43		Binomial distribution				R1/PPT, WB	05.03.24	
44-46		Fitting of binomial distribution -				T2/WB	06.03.24	
47,48		Poisson distribution				R1/PPT, WB	07.03.24	
49-51		Fitting of Poisson distribution				T2/WB	12.03.24	
52-54		Normal distribution - Features and properties				R1/PPT, WB	13.03.24	
55-59		Standard normal curve				T2/WB	19.03.24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
								
MODULE V - QUANTITATIVE APPROACH TO DECISION MAKING								
60		Introduction to Decision making Process				T1/PPT	20.03.24	
61-63		Types and steps in decision making				R1/WB, PPT	21.03.24	
64		Decision tree analysis				T1/WB, PPT	25.03.24	
65		Different types of models				R1/WB	26.03.24	
66		Model building steps				T2/WB	27.03.24	
67-69		Linear programming concepts				T2/WB	03.06.24	
70-72		Mathematical formulation				T2/WB	04.06.24	
73-75		Solution of LPP using graphic method				T1/WB	05.06.24	
Planned hours	Actual hours	Date	Sign of Faculty	Review by HoD		Review by Principal		
						 PRINCIPAL AMBEDKAR COLLEGE OF ARTS & SCIENCES WANDOOR, MALAPURAM DT.		

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Course outcome - Program outcome Mapping Table

BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS		Cognitive level	Program outcomes								
			1-Low correlation			2-Moderate Correlation			3- High correlation		
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	To provide a basic idea of quantitative techniques used	Remember	3							1	

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	in business												
C02	To study the correlation and regression techniques	Apply	3	1	2		2		2	2			
C03	To learn probability theories	Apply & Analyze	3		2		1		2	3			
C04	To understand theoretical distributions prominently in use	Create	3										
C05	To learn linear programming methods.	Innovate	3		1	1	1		1	2			
INDIRECT METHOD													
Class Room contents		Analyze & Create	3		2		2		2	2			

Course Faculty

QAC Member

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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



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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	To provide a basic idea of quantitative techniques used in business		3		
CO2	To study the correlation and regression techniques			2	
CO3	To learn probability theories				1
CO4	To understand theoretical distributions prominently in use				1
CO5	To learn linear programming methods.				1

Name of the student:

Signature of the student

Adelle

Dhanya

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BCM4C04 QUANTITATIVE TECHNIQUES FOR BUSINESS

Module I Quantitative Techniques

Introduction - Meaning and definition - Classification of Q.T - QT and other disciplines -
Application of QT in business - Limitations.



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Module II Correlation and Regression Analysis:

Meaning and definition of Correlation - Karl Pearson's co-efficient of correlation - Rank correlation - Regression - Types - Determination of simple linear regression - Coefficient of determination.

Module III Set Theory

Set Theory - Venn Diagrams - Probability: Concept of probability - Meaning and definition - Approaches to probability - Theorems of probability - Addition Theorem - Multiplication Theorem - Conditional probability- Inverse probability- Baye's Theorem.

Module IV Theoretical Distribution:

Basic assumptions and characteristics - Probability distribution - Fitting of probability distribution - Binomial distribution - Fitting of binomial distribution - Poisson distribution - Fitting of Poisson distribution - Normal distribution - Features and properties - Standard normal curve.

Module V Quantitative approach to decision making

Types and steps in decision making-Decision tree analysis-Different types of models-Model building steps - Linear programming concepts - Mathematical formulation - Solution of LPP using graphic method.

[Signature]
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Course outcome –Program Specific outcome Mapping Table

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



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CO3	3	3	3
CO4	2	2	2
CO5	3	3	3

Course Faculty

IQAC Member

[Signature]
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DIRECT ASSESSMENT OF COURSE OUTCOMES

INTERNAL ASSESSMENT TEST 40 MARKS

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 x 2 = 18 max. ceiling 15 marks, Part -B 4 x 5 = 20 max. ceiling 15 marks, Part -C 1 x 10 = 10 marks, Total marks = 40, with 1 hour 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		



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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 x 2 = 30 max. ceiling 25 marks, Part -B 8 x 5 = 40 max. ceiling 35 marks, Part - C 2 x 10 = 20 Marks. Total marks = 80, Duration : 2 hours and 30 minutes
Evaluation	Based on answer given in the scripts


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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR			
Fourth Semester B.Com 2022 Admisslon			
Paper:BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS			
SL No	Regno	Name	Internal marks (40)
1	UFAWBCM001	BAYANA YASMIN C K	30
2	UFAWBCM002	FATHIMA FIDA V P	24
3	UFAWBCM003	FATHIMA NASHWA K P	36
4	UFAWBCM004	FATHIMATH NAFSIYYA	27
5	UFAWBCM005	HIBA	40
6	UFAWBCM006	MARZOUKA	18
7	UFAWBCM007	RINSHANA A P	19
8	UFAWBCM008	RINSHI M	25
9	UFAWBCM010	SHAHALA M	31
10	UFAWBCM011	SHAHMA M P	24
11	UFAWBCM012	SHAHMA P	31
12	UFAWBCM013	SHIFNA V	38
13	UFAWBCM014	ABHAIYA N	17
14	UFAWBCM015	ABHISHNA RAJ K	36
15	UFAWBCM016	ABHITHA K	8
16	UFAWBCM017	AMRUTHA V	40
17	UFAWBCM018	ATHIRA A	37
18	UFAWBCM019	ATHIRA K P	24
19	UFAWBCM020	ATHIRA P	23
20	UFAWBCM021	DEVIKA GOPINATH	9
21	UFAWBCM022	DEVIKA N	30
22	UFAWBCM023	FIDHA THASNY O P	24
23	UFAWBCM024	GOPIKA KRISHNA T P	14
24	UFAWBCM025	GOPIKA PRASAD P	25
25	UFAWBCM026	HARSHA MOL K	20
26	UFAWBCM027	ISHA MUNNA K C	32
27	UFAWBCM028	JISNA K	32
28	UFAWBCM029	MEGHA P	27
29	UFAWBCM030	NANADANA B P	36
30	UFAWBCM031	NANADANA C	13
31	UFAWBCM032	NAYANA P	12
32	UFAWBCM033	PRATHYUSHA N	11
33	UFAWBCM034	RASIKA N P	5
34	UFAWBCM035	SANA JASI M P	39
35	UFAWBCM037	SANJANA C	38
36	UFAWBCM038	SANUSHA P	19
37	UFAWBCM039	SHILJA K P	21
38	UFAWBCM041	SNEHA P	18
39	UFAWBCM042	SREYA P	40

40	UFAWBCM043	THEERTHA C	36
41	UFAWBCM044	VARSHA M	27
42	UFAWBCM045	VISMAYA M K	23
43	UFAWBCM046	VAISHNAVI K	27
45	UFAWBCM048	ARJUN A	13
46	UFAWBCM049	ARJUN C	4
47	UFAWBCM050	AHIQ A	32
48	UFAWBCM051	FAWZAN K T	29
49	UFAWBCM052	JITHU DAS K	20
50	UFAWBCM053	MANUKRISHNA M K	9
51	UFAWBCM054	MOHAMMED ASHID T T	15
52	UFAWBCM055	MUHAMMED DANISH P	3
53	UFAWBCM056	MUHAMMED SHABEEL K	9
54	UFAWBCM057	MUHAMMED AFLAH K S	10
55	UFAWBCM058	NAJIL E	16
56	UFAWBCM059	NIMEESH A C	13
57	UFAWBCM060	ROHITH C	24
58	UFAWBCM061	SAMSON MATHEW	36
59	UFAWBCM062	SHIJIN K	20
60	UFAWBCM063	SREERAJ C	13
61	UFAWBCM064	VISHNU SANKAR	13
62	UFAWBCM065	ARSHAD K	15
63	UFAWBCM066	HANEEN NAZEER P	16

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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Fourth Semester B.Com 2022 Admission

ASSIGNMENT

Paper: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

SL No	Regno	Name	Topic	Marks Awarded
1	UFAWBCM001	BAYANA YASMIN C K	Mathematical QT	4
2	UFAWBCM002	FATHIMA FIDA V P	Statistical QT	4
3	UFAWBCM003	FATHIMA NASHWA K P	Programming Techniques	4
4	UFAWBCM004	FATHIMATH NAFSIYYA	Correlation- Problem	4
5	UFAWBCM005	HIBA	Correlation- Problem	4
6	UFAWBCM006	MARZOUKA	Correlation	3.5
7	UFAWBCM007	RINSHANA A P	Types of correlation	4
8	UFAWBCM008	RINSHI M	Mathematical QT	4
9	UFAWBCM010	SHAHALA M	Types of correlation	4
10	UFAWBCM011	SHAHMA M P	Correlation- Problem	4
11	UFAWBCM012	SHAHMA P	Correlation- Problem	4
12	UFAWBCM013	SHIFNA V	Statistical QT	4
13	UFAWBCM014	ABHALYA N	Programming Techniques	4
14	UFAWBCM015	ABHISHNA RAJ K	Correlation- Problem	4
15	UFAWBCM016	ABHITHA K	Types of correlation	4
16	UFAWBCM017	AMRUTHA V	Statistical QT	4
17	UFAWBCM018	ATHIRA A	Rank correlation - problem	4
18	UFAWBCM019	ATHIRA K P	Rank correlation - problem	4
19	UFAWBCM020	ATHIRA P	Rank correlation - problem	4
20	UFAWBCM021	DEVIKA GOPINATH	Programming Techniques	4
21	UFAWBCM022	DEVIKA N	Rank correlation - problem	4
22	UFAWBCM023	FIDHA THASNY O P	Regression	4
23	UFAWBCM024	GOPIKA KRISHNA T P	dependend and independent variab	4
24	UFAWBCM025	GOPIKA PRASAD P	types of regression	4
25	UFAWBCM026	HARSHA MOL K	types of regression	4
26	UFAWBCM027	ISHA MUNNA K C	types of regression	4
27	UFAWBCM028	JISNA K	Line of best fit	4
28	UFAWBCM029	MEGHA P	regression- Problem	4
29	UFAWBCM030	NANADANA B P	types of set	4
30	UFAWBCM031	NANADANA C	Permutation	4
31	UFAWBCM032	NAYANA P	permutation- problem	4
32	UFAWBCM033	PRATHYUSHA N	Combination	4
33	UFAWBCM034	RASIKA N P	Combination - Problem	4
34	UFAWBCM035	SANA JASI M P	properties of random experiment	4
35	UFAWBCM037	SANJANA C	probability- problem	4
36	UFAWBCM038	SANUSHA P	probability- problem	4
37	UFAWBCM039	SHILJA K P	probability- problem	4
38	UFAWBCM041	SNEHA P	probability- problem	4
39	UFAWBCM042	SREYA P	probability- problem	4

40	UFAWBCM043	THEERTHA C	probability- problem	4
41	UFAWBCM044	VARSHA M	probability- problem	4
42	UFAWBCM045	VISMAYA M K	conditional probability	4
43	UFAWBCM046	VAISHNAVI K	conditional probability - problem	4
44	UFAWBCM048	ARJUN A	Probable error	4
45	UFAWBCM049	ARJUN C	Functions of QF	4
46	UFAWBCM050	AHIQ A	Rank correlation - problem	4
47	UFAWBCM051	FAWZAN K T	Rank correlation	4
48	UFAWBCM052	JITHU DAS K	regression- Problem	4
49	UFAWBCM053	MANUKRISHNA M K	Programming Techniques	4
50	UFAWBCM054	MOHAMMED ASHID T T	regression- Problem	4
51	UFAWBCM055	MUHAMMED DANISH P	regression- Problem	4
52	UFAWBCM056	MUHAMMED SHABEEL K	set theory	4
53	UFAWBCM057	MUHAMMED AFLAH K S	types of set	4
54	UFAWBCM058	NAJIL E	types of set	4
55	UFAWBCM059	NIMEESH A C	permutation- problem	4
56	UFAWBCM060	ROHITH C	Probability	4
57	UFAWBCM061	SAMSON MATHEW	Random experiment	4
58	UFAWBCM062	SHIJIN K	probability- problem	4
59	UFAWBCM063	SREERAJ C	probability- problem	4
60	UFAWBCM064	VISHNU SANKAR	probability- problem	4
61	UFAWBCM065	ARSHAD K	inverse probability	3
62	UFAWBCM066	HANEEN NAZEER P	Baye's theorm	3.5


Shafiqul Hameed K


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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR		
Fourth Semester B.Com 2022 Admission		
Paper: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS		
LIST OF SLOW LEARNERS		
SL No	Regno	Name
1	UFAWBCM016	ABHIITHA K
2	UFAWBCM021	DEVIKA GOPINATH
3	UFAWBCM031	NANADANA C
4	UFAWBCM032	NAYANA P
5	UFAWBCM033	PRATHYUSHA N
6	UFAWBCM034	RASIKA N P
7	UFAWBCM048	ARJUN A
8	UFAWBCM049	ARJUN C
9	UFAWBCM053	MANUKRISHNA M K
10	UFAWBCM055	MUHAMMED DANISH P
11	UFAWBCM056	MUHAMMED SHABEEL K
12	UFAWBCM057	MUHAMMED AFLAH K S
13	UFAWBCM059	NIMEESH A C
14	UFAWBCM063	SREERAJ C
15	UFAWBCM064	VISHNU SANKAR

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


Shafiq Hameed K


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

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR		
Fourth Semester B.Com 2022 Admission		
Paper: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS		
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	ABHAIYA 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
45	UFAWBCM048	ARJUN A
46	UFAWBCM049	ARJUN C
47	UFAWBCM050	AHIQ A
48	UFAWBCM051	FAWZAN K T
49	UFAWBCM052	JITHU DAS K
50	UFAWBCM053	MANUKRISHNA 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


Shafiqul Hameed K


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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOR		
Fourth Semester B.Com 2022 Admission		
Paper: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS		
SL No	Regno	Name
1	UFAWBCM001	BAYANA YASMIN C K
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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	ABHAIYA 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

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48	UFAWBCM051	FAWZAN K T
49	UFAWBCM052	JITHU DAS K
50	UFAWBCM053	MANUKRISHNA M K
51	UFAWBCM054	MOHAMMED ASHID T T
52	UFAWBCM055	MUHAMMED DANISH P
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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


Shahul Hameed K


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AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Fourth Semester Bcom First Internal Examination March 2024

BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Time : 1 Hour and 15 Minutes

Max.Mark : 40

Answer atleast eight Questions. Each carries 2 marks. Overall ceiling 15 mark.

1. Find the value of $10C5$.
2. What do you mean by Venn diagram?
3. What do you mean by mutually exclusive events?
4. Define QT.
5. What is the probability of getting two heads when two coins are tossed simultaneously?
6. Find the probability of drawing a king or club from a packet of cards.
7. List out different methods of describing a set.
8. State Addition theorem of probability.
9. What is Random experiment?

Answer atleast Four Questions. Each carries 5 marks. Overall ceiling 15 marks.

10. Explain the Applications of QT in business.
11. A and B work independently on a problem. The probability that A will solve the problem is $\frac{3}{4}$ and the probability that B will solve it is $\frac{4}{7}$. What is the probability that. A) problem solved by atleast one of them. B) Both solve the problem.
12. An urn A contains 2 white and 4 Black balls. Another urn B contains 5 white and 7 Black balls. A ball is transferred from the urn A to urn B. Then a ball is drawn from urn B. Find the probability that it will be a white.
13. A Committee of 5 is to be formed from a group of 8 boys and 7 girls. Find the probability that the Committee consists of A) 3 boys and 2 girls. B) Atleast one girl.

Answer any one Question. Each carries 10 marks.

14. Three persons A, B and C are simultaneously shooting a target. Probability that A hitting the target is $\frac{1}{4}$, that of B is $\frac{1}{2}$ and C is $\frac{2}{3}$. Find the probability that. A) Exactly one of them hit the target. B) Atleast one of them hit the target and C) None of them hit the target.
15. In a bolt factory machine A, B and C manufacture respectively 25%, 35% and 40% of the output. Of their output, 5%, 4% and 2% are defective bolts. A bolt is drawn at random from the product and found to be defective. What is the probability that. A) It was manufactured by Machine A. B) Manufactured by Machine B and C) Manufactured by Machine C.

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Fourth Semester Bcom First Internal Examination June 2024

BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Max. Mark : 30

Time : 1 Hour

Answer atleast five Questions. Each carries 2 marks. Overall ceiling 10 mark.

1. Show $A \cup B$ and AB by means of venn diagram.
2. Differentiate Sample point and sample space.
3. Define probability.
4. What is the probability of getting atleast two heads when two coins are tossed simultaneously?
5. Find the probability of drawing a Queen or Heart from a packet of cards.
6. State Multiplication theorem of probability.
7. What are the properties of Random experiment?

Answer atleast two Questions. Each carries 5 marks. Overall ceiling 10 marks.

8. The odds against X solving a problem are 8 to 6 and odds in favour of Y solving the same problem are 14 to 16. What is the probability that A) problem is solved and B) problem is not solved.
9. An urn A contains 2 white and 4 Black balls. Another urn B contains 5 white and 7 Black balls. A ball is transferred from the urn A to urn B. Then a ball is drawn from urn B. Find the probability that it will be a white.
10. Three letters are selected from the letters of the word ASSASSINATIONS. What is the probability that A) two are A and one is N and B) atleast one is A.

Answer any one Question. Each carries 10 marks.

11. A can hit a target 3 times in 5 shots, B can 2 times in 5 shots and C can 3 in 4 shots. They fire a volley. What is the probability that A) Only one hits and B) none hits.
12. The chance that doctor A will diagnose disease X correctly is 60%. The chance that the patient will die by his treatment after correct diagnosis is 40% and the chance of death by wrong diagnosis is 70%. A patient of doctor A, who had disease X died. What is the chance that his disease was correctly diagnosed.

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Fourth Semester B.Com 2022 Admission

Paper: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

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

41	UFAWBCM044	VARSHA M	4	4	4	6	18
42	UFAWBCM045	VISMAYA M K	4	4	4	4	16
43	UFAWBCM046	VAISHNAVI K	4	4	4	6	18
44	UFAWBCM048	ARJUN A	4	4	4	1	13
45	UFAWBCM049	ARJUN C	4	4	4	1	13
46	UFAWBCM050	AHIQ A	4	4	4	6	18
47	UFAWBCM051	FAWZAN K T	4	4	4	6	18
48	UFAWBCM052	JITHU DAS K	4	4	4	3	15
49	UFAWBCM053	MANUKRISHNA M K	2	4	4	1	11
50	UFAWBCM054	MOHAMMED ASHID T T	4	4	4	2	14
51	UFAWBCM055	MUHAMMED DANISH P	2	4	4	1	11
52	UFAWBCM056	MUHAMMED SHABEEL	4	4	4	1	13
		MUHAMMED AFLAH K	2	4	4	1	11
53	UFAWBCM057	S	4	4	4	1	13
54	UFAWBCM058	NAJIL E	4	4	4	1	13
55	UFAWBCM059	NIMEESH A C	4	4	4	4	16
56	UFAWBCM060	ROHITH C	4	4	4	8	20
57	UFAWBCM061	SAMSON MATHEW	4	4	4	3	15
58	UFAWBCM062	SHIJIN K	2	4	4	1	11
59	UFAWBCM063	SREERAJ C	2	4	4	1	11
60	UFAWBCM064	VISHNU SANKAR	2	3	4	2	11
61	UFAWBCM065	ARSHAD K	2	3.5	4	2	12
62	UFAWBCM066	HANEEN NAZEER P	2	3.5	4	2	12

Name of the teacher

eham Hameed .c

Signature :



2026
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Assistant Professor & Head
Department of Commerce
Ambedkar College of Arts & Science
Wardoor

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR

Fourth Semester B.Com 2022 Admission

SEMINAR

Paper: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

SL No	Regno	Name	TOPIC	Marks Awarded
1	UFAWBCM001	BAYANA YASMIN C K	Mathematical QT	4
2	UFAWBCM002	FATHIMA FIDA V P	Statistical QT	4
3	UFAWBCM003	FATHIMA NASHWA K P	Programming Techniques	4
4	UFAWBCM004	FATHIMATH NAFSIYYA	Correlation- Problem	4
5	UFAWBCM005	HIBA	Correlation- Problem	4
6	UFAWBCM006	MARZOUKA	Correlation	4
7	UFAWBCM007	RINSHANA A P	Types of correlation	4
8	UFAWBCM008	RINSHI M	Mathematical QT	4
9	UFAWBCM010	SHAHALA M	Types of correlation	4
10	UFAWBCM011	SHAHMA M P	Correlation- Problem	4
11	UFAWBCM012	SHAHMA P	Correlation- Problem	4
12	UFAWBCM013	SHIFNA V	Statistical QT	4
13	UFAWBCM014	ABHALYA N	Programming Techniques	4
14	UFAWBCM015	ABHISHNA RAJ K	Correlation- Problem	4
15	UFAWBCM016	ABHITHA K	Types of correlation	4
16	UFAWBCM017	AMRUTHA V	Statistical QT	4
17	UFAWBCM018	ATHIRA A	Rank correlation - problem	4
18	UFAWBCM019	ATHIRA K P	Rank correlation - problem	4
19	UFAWBCM020	ATHIRA P	Rank correlation - problem	4
20	UFAWBCM021	DEVIKA GOPINATH	Programming Techniques	4
21	UFAWBCM022	DEVIKA N	Rank correlation - problem	4
22	UFAWBCM023	FIDHA THASNY O P	Regression	4
23	UFAWBCM024	GOPIKA KRISHNA T P	dependend and independent variable	4
24	UFAWBCM025	GOPIKA PRASAD P	types of regression	4
25	UFAWBCM026	HARSHA MOL K	types of regression	4
26	UFAWBCM027	ISHA MUNNA K C	types of regression	4
27	UFAWBCM028	JISNA K	Line of best fit	4
28	UFAWBCM029	MEGHA P	regression- Problem	4
29	UFAWBCM030	NANADANA B P	types of set	4
30	UFAWBCM031	NANADANA C	Permutation	4
31	UFAWBCM032	NAYANA P	permutation- problem	4
32	UFAWBCM033	PRATHYUSHA N	Combination	4
33	UFAWBCM034	RASIKA N P	Combination - Problem	4
34	UFAWBCM035	SANA JASI M P	properties of random experiment	4
35	UFAWBCM037	SANJANA C	probability- problem	4
36	UFAWBCM038	SANUSHA P	probability- problem	4
37	UFAWBCM039	SHILJA K P	probability- problem	4
38	UFAWBCM041	SNEHA P	probability- problem	4
39	UFAWBCM042	SREYA P	probability- problem	4

1	UFAWBCM043	THEERTHA C	probability- problem	4
2	UFAWBCM044	VARSHA M	probability- problem	4
3	UFAWBCM045	VISMAYA M K	conditional probability	4
4	UFAWBCM046	VAISHNAVI K	conditional probability - problem	4
5	UFAWBCM048	ARJUN A	Probable error	4
6	UFAWBCM049	ARJUN C	Functions of QT	4
7	UFAWBCM050	AHIQ A	Rank correlation - problem	4
8	UFAWBCM051	FAWZAN K T	Rank correlation	4
9	UFAWBCM052	JITHU DAS K	regression- Problem	4
0	UFAWBCM053	MANUKRISHNA M K	Programming Techniques	4
1	UFAWBCM054	MOHAMMED ASHID T T	regression- Problem	4
2	UFAWBCM055	MUHAMMED DANISH P	regression- Problem	4
3	UFAWBCM056	MUHAMMED SHABEEL K	set theory	4
4	UFAWBCM057	MUHAMMED AFLAH K S	types of set	4
5	UFAWBCM058	NAJIL E	types of set	4
6	UFAWBCM059	NIMEESH A C	permutation- problem	4
7	UFAWBCM060	ROHITH C	Probability	4
8	UFAWBCM061	SAMSON MATHEW	Random experiment	4
9	UFAWBCM062	SHIJIN K	probability- problem	4
0	UFAWBCM063	SREERAJ C	probability- problem	4
1	UFAWBCM064	VISHNU SANKAR	probability- problem	4
2	UFAWBCM065	ARSHAD K	inverse probability	4
	UFAWBCM066	HANEEN NAZEER P	Baye's theorm	4

Dhanu N. N.

 Assistant Professor & Head

 Department of Commerce

 Ambedkar College of Arts & Science

 Wandoor

AMBEDKAR COLLEGE OF ARTS AND SCIENCE, WANDOOOR									
DEPARTMENT OF COMMERCE									
ACADEMIC YEAR 2023-24									
QUANTITATIVE TECHNIQUES FOR BUSINESS									
Days	Class	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	IVSEM					Quantitative Techniques SHL*			
TUE	IVSEM	Quantitative Techniques SHL*							
WED	IVSEM	Quantitative Techniques SHL*			LUNCH BREAK				
THU	IVSEM		INTERVAL				Quantitative Techniques SHL*		
FRI	IVSEM	Quantitative Techniques DM							

SHAHUL HAMEED K

SHL*


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 Department of Commerce
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 Wandoor, Chikmagalur
 District, Karnataka



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DEPARTMENT OF COMMERCE
CO ATTAINMENT - IA TEST MARKS (EVEN SEM. 2023-2024)

Sem.: IV

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

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	30	75	Y
2	FATHIMA FIDA V P	UFAWBCM002	24	60	Y
3	FATHIMA NASHWA K P	UFAWBCM003	36	90	Y
4	FATHIMATH NAFSIYYA	UFAWBCM004	27	68	Y
5	HIBA	UFAWBCM005	40	100	Y
6	MARZOUKA	UFAWBCM006	18	45	Y
7	RINSHANA A P	UFAWBCM007	19	48	Y
8	RINSHI M	UFAWBCM008	25	63	Y
9	SHAHALA M	UFAWBCM010	31	78	Y
10	SHAHMA M P	UFAWBCM011	24	60	Y
11	SHAHMA P	UFAWBCM012	31	78	Y
12	SHIFNA V	UFAWBCM013	38	95	Y
13	ABHALYA N	UFAWBCM014	17	43	Y
14	ABHISHNA RAJ K	UFAWBCM015	36	90	Y
15	ABHITHA K	UFAWBCM016	8	20	N
16	AMRUTHA V	UFAWBCM017	40	100	Y
17	ATHIRA A	UFAWBCM018	37	93	Y
18	ATHIRA K P	UFAWBCM019	24	60	Y
19	ATHIRA P	UFAWBCM020	23	58	Y
20	DEVIKA GOPINATH	UFAWBCM021	9	23	N
21	DEVIKA N	UFAWBCM022	30	75	Y
22	FIDHA THASNY O P	UFAWBCM023	24	60	Y
23	GOPIKA KRISHNA T P	UFAWBCM024	14	35	Y
24	GOPIKA PRASAD P	UFAWBCM025	25	63	Y



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DEPARTMENT OF COMMERCE

25	HARSHA MOL K	UFAWBCM026	20	50	Y
26	ISHA MUNNA K C	UFAWBCM027	32	80	Y
27	JISNA K	UFAWBCM028	32	80	Y
28	MEGHA P	UFAWBCM029	27	68	Y
29	NANADANA B P	UFAWBCM030	36	90	Y
30	NANADANA C	UFAWBCM031	13	33	N
31	NAYANA P	UFAWBCM032	12	30	N
32	PRATHYUSHA N	UFAWBCM033	11	28	N
33	RASIKA N P	UFAWBCM034	5	13	N
34	SANA JASI M P	UFAWBCM035	39	98	Y
35	SANJANA C	UFAWBCM037	38	95	Y
36	SANUSHA P	UFAWBCM038	19	48	Y
37	SHILJA K P	UFAWBCM039	21	53	Y
38	SNEHA P	UFAWBCM041	18	45	Y
39	SREYA P	UFAWBCM042	40	100	Y
40	THEERTHA C	UFAWBCM043	36	90	Y
41	VARSHA M	UFAWBCM044	27	68	Y
42	VISMAYA M K	UFAWBCM045	23	58	Y
43	VAISHNAVI K	UFAWBCM046	27	68	Y
44	ARJUN A	UFAWBCM048	13	33	N
45	ARJUN C	UFAWBCM049	4	10	N
46	ASHIQ A	UFAWBCM050	32	80	Y
47	FAWZAN K T	UFAWBCM051	29	73	Y
48	JITHU DAS K	UFAWBCM052	20	50	Y
49	MANUKRISHNA M K	UFAWBCM053	9	23	N
50	MOHAMMED ASHID T T	UFAWBCM054	15	38	Y
51	MUHAMMED DANISH P	UFAWBCM055	3	8	N
52	MUHAMMED SHABEEL K	UFAWBCM056	9	23	N
53	MUHAMMED AFLAH K S	UFAWBCM057	10	25	N
54	NAJIL E	UFAWBCM058	16	40	Y



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55	NIMEESH A C	UFAWBCM059	13	33	N
56	ROHITH C	UFAWBCM060	24	60	Y
57	SAMSON MATHEW	UFAWBCM061	36	90	Y
58	SHIJIN K	UFAWBCM062	20	50	Y
59	SREERAJ C	UFAWBCM063	13	33	N
60	VISHNU SANKAR	UFAWBCM064	13	33	N
61	ARSHAD K	UFAWBCM065	15	38	Y
62	HANEEN NAZEER P	UFAWBCM066	16	40	Y
				47	
				75.81	
		FOR BCM4C04	CO1 to CO5		
			75.8		

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

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DEPARTMENT OF COMMERCE

CO-PO-PSO MAPPING (EVEN SEM. 2023-2024)

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Semester: IV

Name of the faculty member: SHAHUL HAMEED K

(I) CO Attainment

A: Direct assessment (80%)-Tests, Assignment, Examination

B: Indirect assessment (20%)-Course end survey

COs	Mapping of POs	Mapping of PSOs	Direct	Indirect	Overall	Target (%)	Attainment
			Assessment (a)	Assessment (b)	Attainment 0.8 (a) + 0.2(b)		
CO1	PO1 & PO8	PSO1 & PSO2	94	76.45	91	75	YES
CO2	PO1,PO2,PO3, PO5,PO7 & PO8	PSO1, PSO2 & PSO3	94	79.68	91		
CO3	PO1,PO3, PO5,PO7 & PO8	PSO1, PSO2 & PSO3	94	75.81	91		
CO4	PO1	PSO1, PSO2 & PSO3	94	79.03	91		
CO5	PO1,PO3, PO5,PO7 & PO8	PSO1, PSO2 & PSO3	94	80.00	91		

FACULTY

[Signature]

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

PRINCIPAL
Asst. Professor
In charge of Principal
Ambedkar College of Arts & Science
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DEPARTMENT OF COMMERCE

CO ATTAINMENT - ASSIGNMENT/EVEN SEM. 2023-2024

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Sem.: IV

Name of the faculty member: SHAHUL HAMEED K

Sl. No.	Name of the student	REG NO	ASSIGNMENT		SEMINAR		ATTENDANCE	COURSE OUTCOMES				ATTENDANCE	
			CO1 to CO3	CO4 to CO5	CE	%age	Y/N	%age	Y/N	%age	Y/N	%age	Y/N
		Max. Marks	4	4	4	100	Y	100	Y	100	Y	100	Y
1	BAYANA YASMIN C K	UFABWBCM001	4	4	4	100	Y	100	Y	100	Y	100	Y
2	FATHIMA FIDA V P	UFABWBCM002	4	4	4	100	Y	100	Y	100	Y	100	Y
3	FATHIMA NASHWA K P	UFABWBCM003	4	4	4	100	Y	100	Y	100	Y	100	Y
4	FATHIMATH NAFSIYYA	UFABWBCM004	4	4	4	100	Y	100	Y	100	Y	100	Y
5	HIBA	UFABWBCM005	4	4	4	87.5	Y	100	Y	50	Y	50	Y
6	MARZOUKA	UFABWBCM006	3.5	4	2	100	Y	100	Y	100	Y	100	Y
7	RINSHANA A P	UFABWBCM007	4	4	4	100	Y	100	Y	100	Y	100	Y
8	RINSHI M	UFABWBCM008	4	4	4	100	Y	100	Y	100	Y	100	Y
9	SHAHAL A M	UFABWBCM010	4	4	4	100	Y	100	Y	100	Y	100	Y
10	SHAHMA M P	UFABWBCM011	4	4	4	100	Y	100	Y	100	Y	100	Y
11	SHAHMA P	UFABWBCM012	4	4	2	100	Y	100	Y	50	Y	50	Y
12	SHIFNA V	UFABWBCM013	4	4	4	100	Y	100	Y	100	Y	100	Y
13	ABHALYA N	UFABWBCM014	4	4	4	100	Y	100	Y	100	Y	100	Y
14	ABHISHNA RAJ K	UFABWBCM015	4	4	4	100	Y	100	Y	100	Y	100	Y
15	ABHITHA K	UFABWBCM016	4	4	4	100	Y	100	Y	100	Y	100	Y
16	AMRUTHA V	UFABWBCM017	4	4	4	100	Y	100	Y	100	Y	100	Y

17	ATHIRA A	UFAW/BCM018	4	4	4	4	100	Y	100	Y	100	Y
18	ATHIRA K P	UFAW/BCM019	4	4	4	4	100	Y	100	Y	100	Y
19	ATHIRA P	UFAW/BCM020	4	4	4	4	100	Y	100	Y	100	Y
20	DEVIKA GOPINATH	UFAW/BCM021	4	4	4	2	100	Y	100	Y	50	Y
21	DEVIKA N	UFAW/BCM022	4	4	4	4	100	Y	100	Y	100	Y
22	FIDHA THASNY O P	UFAW/BCM023	4	4	4	4	100	Y	100	Y	100	Y
23	GOPIKA KRISHNA T P	UFAW/BCM024	4	4	4	4	100	Y	100	Y	100	Y
24	GOPIKA PRASAD P	UFAW/BCM025	4	4	4	4	100	Y	100	Y	100	Y
25	HARSHA MOL K	UFAW/BCM026	4	4	4	4	100	Y	100	Y	100	Y
26	ISHA MUNNA K C	UFAW/BCM027	4	4	4	4	100	Y	100	Y	100	Y
27	JISNA K	UFAW/BCM028	4	4	4	4	100	Y	100	Y	100	Y
28	MEGHA P	UFAW/BCM029	4	4	4	4	100	Y	100	Y	100	Y
29	NANADANA B P	UFAW/BCM030	4	4	4	4	100	Y	100	Y	100	Y
30	NANADANA C	UFAW/BCM031	4	4	4	4	100	Y	100	Y	100	Y
31	NAYANA P	UFAW/BCM032	4	4	4	4	100	Y	100	Y	100	Y
32	PRATHYUSHA N	UFAW/BCM033	4	4	4	4	100	Y	100	Y	100	Y
33	RASIKA N P	UFAW/BCM034	4	4	4	4	100	Y	100	Y	100	Y
34	SANA JASI M P	UFAW/BCM035	4	4	4	4	100	Y	100	Y	100	Y
35	SANJANA C	UFAW/BCM037	4	4	4	4	100	Y	100	Y	100	Y
36	SANUSHA P	UFAW/BCM038	4	4	4	4	100	Y	100	Y	100	Y
37	SHILJA K P	UFAW/BCM039	4	4	4	4	100	Y	100	Y	100	Y
38	SNEHA P	UFAW/BCM041	4	4	4	4	100	Y	100	Y	100	Y
39	SREYA P	UFAW/BCM042	4	4	4	4	100	Y	100	Y	100	Y
40	THEERTHA C	UFAW/BCM043	4	4	4	4	100	Y	100	Y	100	Y
41	VARSHA M	UFAW/BCM044	4	4	4	4	100	Y	100	Y	100	Y
42	VISMAYA M K	UFAW/BCM045	4	4	4	4	100	Y	100	Y	100	Y
43	VAISHNAVI K	UFAW/BCM046	4	4	4	4	100	Y	100	Y	100	Y
44	ARJUN A	UFAW/BCM048	4	4	4	4	100	Y	100	Y	100	Y
45	ADITHYAN C	UFAW/BCM049	4	4	4	4	100	Y	100	Y	100	Y

46	ASHIQ A	UFAWBCM050	4	4	4	4	100	Y	100	Y	100	Y
47	FAWZAN K T	UFAWBCM051	4	4	4	4	100	Y	100	Y	100	Y
48	JITHU DAS K	UFAWBCM052	4	4	4	4	100	Y	100	Y	100	Y
49	MANUKRISHNA M K	UFAWBCM053	4	4	2	4	100	Y	100	Y	50	Y
50	MOHAMMED ASHID T T	UFAWBCM054	4	4	4	4	100	Y	100	Y	100	Y
51	MUHAMMED DANISH P	UFAWBCM055	4	4	2	4	100	Y	100	Y	50	Y
52	MUHAMMED SHABEEL K	UFAWBCM056	4	4	4	4	100	Y	100	Y	100	Y
53	MUHAMMED AFLAH K S	UFAWBCM057	4	4	2	4	100	Y	100	Y	50	Y
54	NAJIL E	UFAWBCM058	4	4	4	4	100	Y	100	Y	100	Y
55	NIMEESH A C	UFAWBCM059	4	4	4	4	100	Y	100	Y	100	Y
56	ROHITH C	UFAWBCM060	4	4	4	4	100	Y	100	Y	100	Y
57	SAMSON MATHEW	UFAWBCM061	4	4	4	4	100	Y	100	Y	100	Y
58	SHIJIN K	UFAWBCM062	4	4	4	4	100	Y	100	Y	100	Y
59	SREERAJ C	UFAWBCM063	4	4	2	4	100	Y	100	Y	50	Y
60	VISHNU SANKAR	UFAWBCM064	4	4	2	4	100	Y	100	Y	50	Y
61	ARSHAD K	UFAWBCM065	3	4	2	4	75	Y	100	Y	50	Y
62	HANEEN NAZEER P	UFAWBCM066	3.5	4	2	4	87.5	Y	100	Y	50	Y
							62	62		62		
							100.00	100.00		100.00		100.00

FOR BCM4C04	CO1 TO 3	CO4 TO 5	ATTENDANCE
	100.00	100.00	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 (EVEN SEM. 2023-2024)

Sem.: IV

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

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	24	60	Y
2	FATHIMA FIDA V P	UFAWBCM002	20	50	Y
3	FATHIMA NASHWA K P	UFAWBCM003	32	80	Y
4	FATHIMATH NAFSIYYA	UFAWBCM004	24	60	Y
5	HIBA	UFAWBCM005	36	90	Y
6	MARZOUKA	UFAWBCM006	20	50	Y
7	RINSHANA A P	UFAWBCM007	24	60	Y
8	RINSHI M	UFAWBCM008	28	70	Y
9	SHAHALA M	UFAWBCM010	24	60	Y
10	SHAHMA M P	UFAWBCM011	24	60	Y
11	SHAHMA P	UFAWBCM012	24	60	Y
12	SHIFNA V	UFAWBCM013	32	80	Y
13	ABHALYA N	UFAWBCM014	16	40	Y
14	ABHISHNA RAJ K	UFAWBCM015	24	60	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	16	40	Y
19	ATHIRA P	UFAWBCM020	20	50	Y
20	DEVIKA GOPINATH	UFAWBCM021	0	0	N
21	DEVIKA N	UFAWBCM022	24	60	Y
22	FIDHA THASNY O P	UFAWBCM023	24	60	Y
23	GOPIKA KRISHNA T P	UFAWBCM024	24	60	Y
24	GOPIKA PRASAD P	UFAWBCM025	20	50	Y
25	HARSHA MOL K	UFAWBCM026	32	80	Y
26	ISHA MUNNA K C	UFAWBCM027	28	70	Y
27	JISNA K	UFAWBCM028	28	70	Y
28	MEGHA P	UFAWBCM029	28	70	Y
29	NANADANA B P	UFAWBCM030	28	70	Y
30	NANADANA C	UFAWBCM031	28	70	Y
31	NAYANA P	UFAWBCM032	20	50	Y
32	PRATHYUSHA N	UFAWBCM033	20	50	Y
33	RASIKA N P	UFAWBCM034	16	40	Y

34	SANA JASI M P	UFAWBCM035	32	80	Y
35	SANJANA C	UFAWBCM037	28	70	Y
36	SANUSHA P	UFAWBCM038	20	50	Y
37	SHILJA K P	UFAWBCM039	20	50	Y
38	SNEHA P	UFAWBCM041	28	70	Y
39	SREYA P	UFAWBCM042	36	90	Y
40	THEERTHA C	UFAWBCM043	28	70	Y
41	VARSHA M	UFAWBCM044	24	60	Y
42	VISMAYA M K	UFAWBCM045	32	80	Y
43	VAISHNAVI K	UFAWBCM046	24	60	Y
44	ARJUN A	UFAWBCM048	20	50	Y
45	ARJUN C	UFAWBCM049	24	60	Y
46	ASHIQ A	UFAWBCM050	36	90	Y
47	FAWZAN K T	UFAWBCM051	24	60	Y
48	JITHU DAS K	UFAWBCM052	24	60	Y
49	MANUKRISHNA M K	UFAWBCM053		0	N
50	MOHAMMED ASHID T T	UFAWBCM054	24	60	Y
51	MUHAMMED DANISH P	UFAWBCM055	16	40	Y
52	MUHAMMED SHABEEL K	UFAWBCM056	20	50	Y
53	MUHAMMED AFLAH K S	UFAWBCM057	20	50	Y
54	NAJIL E	UFAWBCM058	24	60	Y
55	NIMEESH A C	UFAWBCM059	24	60	Y
56	ROHITH C	UFAWBCM060	24	60	Y
57	SAMSON MATHEW	UFAWBCM061	28	70	Y
58	SHIJIN K	UFAWBCM062	24	60	Y
59	SREERAJ C	UFAWBCM063	20	50	Y
60	VISHNU SANKAR	UFAWBCM064	16	40	Y
61	ARSHAD K	UFAWBCM065	0	0	N
62	HANEEN NAZEER P	UFAWBCM066	20	50	Y
				59	
				95.16	

FOR BCM4C04	CO1 to CO5
	95.16

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

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DEPARTMENT OF COMMERCE

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

Semester: IV

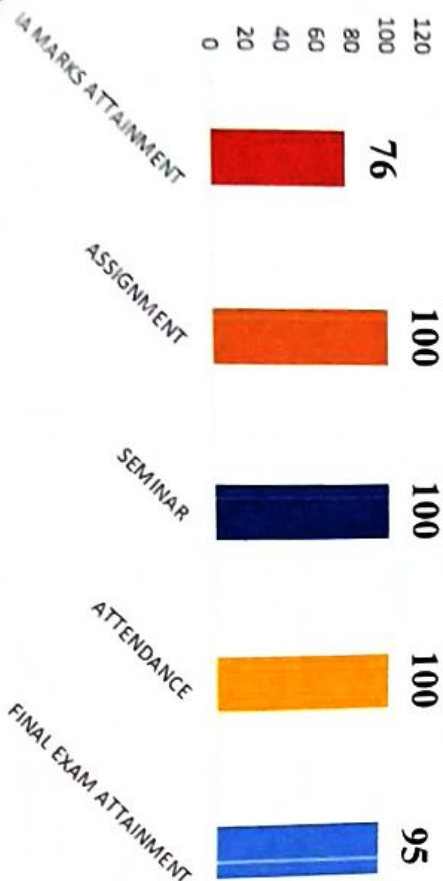
Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Name of the faculty member: SHAHUL HAMEED K

TARGET: 60% ATTAINMENT

COs	CO1 to CO5
IA MARKS ATTAINMENT	76
ASSIGNMENT	100
SEMINAR	100
ATTENDANCE	100
FINAL EXAM ATTAINMENT	95
AVERAGE	94

COURSE OUTCOMES




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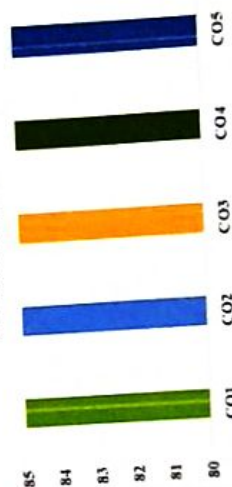
DEPARTMENT OF COMMERCE
COURSE EXIT SURVEY RESPONSES (EVEN SEM. 2023-2024)
Course: BCM404 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Semester IV

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	Recognize and recall the key concepts of Linguistics and develop awareness of latest trends in language study.	Are you able to Recognize and recall the key concepts of Linguistics and develop awareness of latest trends in language study?	0	2	1	20	22	17	62	3.82	5	76.45
CO2	Develop a conceptual understanding of the features of language, their sounds, their ways of forming words, their sentence structures and their systems of expressing meaning.	Are you able to Develop a conceptual understanding of the features of language, their sounds, their ways of forming words, their sentence structures and their systems of expressing meaning?	0	1	0	19	21	21	62	3.96	5	79.68
CO3	Apply the acquired knowledge of pronunciation and their general standards in every day conversation and in meaning.	Are you able to Apply the acquired knowledge of pronunciation and their general standards in every day conversation and in meaning?	0	1	2	22	21	16	62	3.79	5	76.81
CO4	Analyze the fundamental topics in semantics and develop a concept of different semantic levels.	Are you able to Analyze the fundamental topics in semantics and develop a concept of different semantic levels?	0	1	1	19	20	21	62	3.95	5	79.03
CO6	Generate innovative and effective communication strategies by synthesizing knowledge from pronunciation, semantics, syntax, morphology and linguistics to address specific communicative challenges.	Are you able to Generate innovative and effective communication strategies by synthesizing knowledge from pronunciation, semantics, syntax, morphology and linguistics to address specific communicative challenges?	0	1	1	18	19	23	62	4.00	5	80.00

Final CO Attainment



CO Assessment method	CO1	CO2	CO3	CO4	CO6
Direct method (IA Test, Assignment/quiz and exam)	84	84	84	84	84
Weightage (80%)	75	75	75	75	75
Indirect method (Course Exit Survey)	78.45	79.68	75.81	79.03	80.00
Weightage (20%)	15.29	15.94	15.16	15.81	16.00
Final CO Attainment	80.65	81.29	80.52	81.16	81.35

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DEPARTMENT OF COMMERCE

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

Semester: IV

Name of the faculty member: SHAHUL HAMEED K

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Sl. No.	NAME OF THE STUDENT	REG NO	Are you able to Recognize and recall the key concepts of Linguistics and develop awareness of latest trends in language study.	Are you able to Develop a conceptual understanding of the features of language, their sounds, their ways of forming words, their sentence structures and their systems of expressing	Are you able to Apply the acquired knowledge of pronunciation and their general standards in every day conversation and in meaning.	Are you able to Analyze the fundamentals in semantics and develop a concept of different semantic levels	Are you able to Generate innovative and effective communication strategies by synthesizing knowledge from pronunciation, semantics, syntax, morphology and linguistics to address specific communicative
COURSE OUTCOMES							
1	BAYANA YASMIN C K	UFAWBCM001	3 (Good)	3 (Good)	3 (Good)	5 (Excellent)	5 (Excellent)
2	FATHIMA FIDA V P	UFAWBCM002	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)
3	FATHIMA NASHWA K P	UFAWBCM003	3 (Good)	3 (Good)	3 (Good)	2 (Very Fair)	4 (Very Good)
4	FATHIMATH NAFSTIYA	UFAWBCM004	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
5	HIBA	UFAWBCM005	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
6	MARZOUKA	UFAWBCM006	5 (Excellent)	5 (Excellent)	4 (Very Good)	4 (Very Good)	3 (Good)
7	RINSHANA A P	UFAWBCM007	4 (Very Good)	1 (Fair)	3 (Good)	4 (Very Good)	5 (Excellent)
8	RINSHIM	UFAWBCM008	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)
9	SHAF-ALA M	UFAWBCM010	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
10	SHAF-MA M P	UFAWBCM011	3 (Good)	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)
11	SHAF-MA P	UFAWBCM012	3 (Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
12	SHIFNA V	UFAWBCM013	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)
13	ABHALYA N	UFAWBCM014	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)



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DEPARTMENT OF COMMERCE

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

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

Semester: IV

Name of the faculty member: SHAHUL HAMEED K

Sl. No.	NAME OF THE STUDENT	REG NO	Are you able to Recognize and recall the key concepts of Linguistics and develop awareness of latest trends in language study.	Are you able to Develop a conceptual understanding of the features of language, their sounds, their ways of forming words, their sentence structures and their systems of expressing	Are you able to Apply the acquired knowledge of pronunciation and their general standards in every day conversation and in meaning.	Are you able to Analyze the fundamental topics in semantics and develop a concept of different semantic levels	Are you able to Generate innovative and effective communication strategies by synthesizing knowledge from pronunciation, semantics, syntax, morphology and linguistics to address specific communicative
COURSE OUTCOMES							
			CO1	CO2	CO3	CO4	CO5
1	BAYANA YASMIN C K	UFAWBCM001	3 (Good)	3 (Good)	3 (Good)	5 (Excellent)	5 (Excellent)
2	FATHIMA FIDA V P	UFAWBCM002	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)
3	FATHIMA NASHWA K P	UFAWBCM003	3 (Good)	3 (Good)	3 (Good)	2 (Very Fair)	4 (Very Good)
4	FATHIMATH NAFSIYYA	UFAWBCM004	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
5	HIBA	UFAWBCM005	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
6	MARZOUKA	UFAWBCM006	5 (Excellent)	5 (Excellent)	4 (Very Good)	4 (Very Good)	3 (Good)
7	RINSHANA A P	UFAWBCM007	4 (Very Good)	1 (Fair)	3 (Good)	4 (Very Good)	5 (Excellent)
8	RINSHIM	UFAWBCM008	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)
9	SHAHALA M	UFAWBCM010	4 (Very Good)	4 (Very Good)	4 (Very Good)	3 (Good)	4 (Very Good)
10	SHAHIMA M P	UFAWBCM011	3 (Good)	3 (Good)	3 (Good)	4 (Very Good)	3 (Good)
11	SHAFMA P	UFAWBCM012	3 (Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
12	SHIFNA V	UFAWBCM013	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)
13	ABHAIYA N	UFAWBCM014	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)

14	ABHISHNA RAJ K	UFAWBCM015	1 (Fair)	5 (Excellent)	4 (Very Good)	3 (Good)	5 (Excellent)
15	ABHITHA K	UFAWBCM016	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)
16	AMRUTHA V	UFAWBCM017	4 (Very Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
17	ATHIRA A	UFAWBCM018	4 (Very Good)	3 (Good)	5 (Excellent)	3 (Good)	4 (Very Good)
18	ATHIRA K P	UFAWBCM019	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)
19	ATHIRA P	UFAWBCM020	3 (Good)	5 (Excellent)	3 (Good)	1 (Fair)	4 (Very Good)
20	DEVIKA GOPINATH	UFAWBCM021	5 (Excellent)	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)
21	DEVIKA N	UFAWBCM022	5 (Excellent)	3 (Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
22	FIDHA THASNY O P	UFAWBCM023	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)	5 (Excellent)
23	GOPIKA KRISHNA T P	UFAWBCM024	4 (Very Good)	3 (Good)	2 (Very Fair)	4 (Very Good)	5 (Excellent)
24	GOPIKA PRASAD P	UFAWBCM025	3 (Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
25	HARSHA MOL K	UFAWBCM026	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)	5 (Excellent)
26	ISHA MUNNA K C	UFAWBCM027	5 (Excellent)	5 (Excellent)	4 (Very Good)	5 (Excellent)	5 (Excellent)
27	JISNA K	UFAWBCM028	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)	4 (Very Good)
28	MEGHA P	UFAWBCM029	3 (Good)	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)
29	NANADANA B P	UFAWBCM030	5 (Excellent)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
30	NANADANA C	UFAWBCM031	4 (Very Good)	3 (Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)
31	NAYANA P	UFAWBCM032	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
32	PRATHYUSHA N	UFAWBCM033	3 (Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)	3 (Good)
33	RASIKA N P	UFAWBCM034	5 (Excellent)	4 (Very Good)	5 (Excellent)	4 (Very Good)	5 (Excellent)
34	SANA JASIM P	UFAWBCM035	5 (Excellent)	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)
35	SANJANA C	UFAWBCM037	4 (Very Good)	5 (Excellent)	3 (Good)	5 (Excellent)	3 (Good)
36	SANUSHA P	UFAWBCM038	3 (Good)	3 (Good)	5 (Excellent)	5 (Excellent)	4 (Very Good)
37	SHILJA K P	UFAWBCM039	5 (Excellent)	5 (Excellent)	5 (Excellent)	4 (Very Good)	5 (Excellent)
38	SNEHA P	UFAWBCM041	2 (Very Fair)	5 (Excellent)	3 (Good)	3 (Good)	3 (Good)
39	SREYA P	UFAWBCM042	5 (Excellent)	3 (Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)
40	THEERTHA C	UFAWBCM043	3 (Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)	3 (Good)
41	VARSHA M	UFAWBCM044	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	4 (Very Good)
42	VISMAYA M K	UFAWBCM045	5 (Excellent)	3 (Good)	4 (Very Good)	4 (Very Good)	2 (Very Fair)
43	VAISHNAVI K	UFAWBCM046	3 (Good)	4 (Very Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)

44	ARIJUN A	UFAWBCM048	4 (Very Good)	5 (Excellent)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
45	ARIJUN C	UFAWBCM049	5 (Excellent)	3 (Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)	4 (Very Good)
46	AHIQ A	UFAWBCM050	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)	5 (Excellent)
47	FAWZAN K T	UFAWBCM051	4 (Very Good)	5 (Excellent)	4 (Very Good)	3 (Good)	3 (Good)	3 (Good)
48	JITHU DAS K	UFAWBCM052	5 (Excellent)	3 (Good)	1 (Fair)	4 (Very Good)	4 (Very Good)	4 (Very Good)
49	MANUKRISHNA M K	UFAWBCM053	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)
50	MOHAMMED ASHID T T	UFAWBCM054	4 (Very Good)	5 (Excellent)	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)
51	MUHAMMED DANISH P	UFAWBCM055	4 (Very Good)	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)
52	MUHAMMED SHABEEL K	UFAWBCM056	5 (Excellent)	4 (Very Good)	5 (Excellent)	4 (Very Good)	1 (Fair)	1 (Fair)
53	MUHAMMED AFLAH K S	UFAWBCM057	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)
54	NAJIL E	UFAWBCM058	4 (Very Good)	5 (Excellent)	4 (Very Good)	3 (Good)	5 (Excellent)	5 (Excellent)
55	NIMEESH A C	UFAWBCM059	5 (Excellent)	3 (Good)	5 (Excellent)	4 (Very Good)	3 (Good)	3 (Good)
56	ROHITH C	UFAWBCM060	3 (Good)	4 (Very Good)	3 (Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)
57	SAMSON MATHEW	UFAWBCM061	5 (Excellent)	5 (Excellent)	2 (Very Fair)	3 (Good)	5 (Excellent)	5 (Excellent)
58	SHIJIN K	UFAWBCM062	3 (Good)	3 (Good)	4 (Very Good)	4 (Very Good)	3 (Good)	3 (Good)
59	SREERAJ C	UFAWBCM063	1 (Fair)	4 (Very Good)	4 (Very Good)	5 (Excellent)	4 (Very Good)	4 (Very Good)
60	VISHNU SANKAR	UFAWBCM064	4 (Very Good)	5 (Excellent)	5 (Excellent)	3 (Good)	5 (Excellent)	5 (Excellent)
61	ARSHAD K	UFAWBCM065	5 (Excellent)	3 (Good)	3 (Good)	5 (Excellent)	3 (Good)	3 (Good)
62	HANEEN NAZEER P	UFAWBCM066	3 (Good)	5 (Excellent)	3 (Good)	3 (Good)	3 (Good)	3 (Good)
No. of graded "0"			0	0	0	0	0	0
No. of graded "1"			2	1	1	1	1	1
No. of graded "2"			1	0	2	1	1	1
No. of graded "3"			20	19	22	19	18	18
No. of graded "4"			22	21	21	20	19	19
No. of graded "5"			17	21	16	21	23	23


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



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Semester: IV

Name of the faculty member: SHAHUL HAMEED K

DEPARTMENT OF COMMERCE

CO-PO-PSO MAPPING (EVEN SEM . 2023-2024)

Course: BCM4C04 - QUANTITATIVE TECHNIQUES FOR BUSINESS

(I) CO Attainment

A: Direct assessment (80%)- Tests, Assignment, Examination

B: Indirect assessment (20%)-Course end survey

COs	Mapping of POs	Mapping of PSOs	Direct Assessment		Indirect Assessment (b)	Overall Attainment 0.8 (a) + 0.2(b)	Target (%)	Attainment
			(a)					
CO1	PO1 & PO8	PSO1 & PSO2	94		76.45	91	75	YES
CO2	PO1,PO2,PO3, PO5,PO7 & PO8	PSO1, PSO2 & PSO3	94		79.68	91		
CO3	PO1,PO3, PO5,PO7 & PO8	PSO1, PSO2 & PSO3	94		75.81	91		
CO4	PO1	PSO1, PSO2 & PSO3	94		79.03	91		
CO5	PO1,PO3, PO5,PO7 & PO8	PSO1, PSO2 & PSO3	94		80.00	91		

FACULTY

(Signature)
DHANVA M
 Assistant Professor & Head
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 Ambedkar College of Arts & Science

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COURSE EXIT SURVEY

Dear Students,

We are seeking valuable feedback from you, to improve upon the course contents, coverage, methods of instruction and teaching learning methods of the course you have learned for the semester, kindly rate the process of delivering the syllabus from 1 – 5 scale (5 Excellent, 4-Very good, 3-Good 2-Average, 1-Below average)

Name	Samson Mathew		Reg No	UFAWBCM061					
Course Code	BCM4C04	Name of Course	Quantitative Techniques						
Dept	Commerce	Semester	IV	Date					
Sl No	Questioners		1	2	3	4	5		
1.	Quality of the Course content				✓				
2.	Suitability of Contents beyond syllabus topics			✓					
3.	Relevance of the text & Reference books suggested								
4.	Support of Library for the Course contents						✓		
5.	Course delivery methods by teacher					✓			
6.	Use of ICT tools in class					✓			
7.	Relevance of Syllabus topics for your placement			✓					
8.	Usefulness of the topics for life			✓					
9.	Content stimulates intellectually						✓		
10.	Fairness of the internal evaluation system				✓				
11.	Assignments, competitive evaluation methods				✓				
12.	Topics covered supported by online resources & LMS				✓				
I am able to achieve the following (Relating to Course outcomes)									
CO1							✓		
CO2							✓		
CO3				✓					
CO4					✓				
CO5							✓		
Suggestions for Inclusions and Deletion of topics									

Signature of the Student

Samson Mathew

Class Advisor

[Signature]

[Signature] **DHANYA. M**
Assistant Professor & Head
Department of Commerce
Ambedkar College of Arts & Science
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Name	NIMEESH . AC		Reg No	UFAWBCM059				
Course Code	BCM4CO4	Name of Course	Quantitative Technique					
Dept	Commerce	Semester	IV	Date				
Sl No	Questioners	1	2	3	4	5		
1.	Quality of the Course content			✓				
2.	Suitability of Contents beyond syllabus topics				✓			
3.	Relevance of the text & Reference books suggested			✓				
4.	Support of Library for the Course contents					✓		
5.	Course delivery methods by teacher				✓			
6.	Use of ICT tools in class					✓		
7.	Relevance of Syllabus topics for your placement					✓		
8.	Usefulness of the topics for life			✓				
9.	Content stimulates intellectually					✓		
10.	Fairness of the internal evaluation system				✓			
11.	Assignments, competitive evaluation methods			✓				
12.	Topics covered supported by online resources & LMS				✓			
I am able to achieve the following (Relating to Course outcomes)								
CO1						✓		
CO2				✓				
CO3						✓		
CO4					✓			
CO5				✓				
Suggestions for Inclusions and Deletion of topics								

Signature of the Student

Class Advisor

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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			✓		
CO2			✓		
CO3			✓		
CO4			✓		
CO5			✓		

Name of the student: NIMEESH SC

Signature of the student


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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			✓		
CO2				✓	
CO3			✓		
CO4		✓			
CO5			✓		

Name of the student: Samson Mathew

Signature of the student