



## OUTCOME BASED EDUCATION

The institution adopts OBE as a student-centered teaching and learning style, where the delivery of the lessons and the evaluation are designed to meet the goals and results that have been set. The college is published course outcomes, program outcomes, programs specified outcomes of each course offering at the institutional website. As part of it, teachers are trained to conduct all the procedures for internal assessment in a systematic way.

### Different Assessment Methods for Course attainment are

- Internal Examination
- Assignments
- Seminars
- Quizzes
- Attendance
- Projects/Internships
- Industrial visit
- Group work
- Viva Voce

The final attainment for each course is calculated as the following rules:

1. Adheres to Bloom's taxonomy.
2. There should be a maximum of six COs each course
3. There are seven POs for each course
4. Each POs and PSOs should be mapped with Cos

### CO-PO MAPPING

A combination of direct and indirect methods is used to assess course attainment. The corresponding Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) correlate with the course outcomes (COs). The foundation for setting up continuous internal assessment is the PO, PSO, and COs defined for each course. To provide a quantitative evaluation of how well course outcomes are satisfied for each course, a set of performance criteria is used. The programme results and the program-specific outcomes for each course are connected to these performance standards.

### CO-PO MATRIX

The three degrees of attainment for the Programme Outcomes and Programme Specific Outcomes are mapped to the Course Outcomes:

- Strongly Related (weight of 3);
- Moderately Related (weight of 2);
- Related (weight of 1)
- Not related (weight of 0)



Prerequisite Subjects:		COURSE ARTICULATION MATRIX-CO-PO MAPPING											
GRADUATE ATTRIBUTES	Subject competence and Problem solving	Research related skills	CO-operation & team work	Analytical Reasoning	Scientific reasoning	Self directed learning	Critical Thinking						
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
ED.1	2	2	3	2	2	3	2	-	-	-	-	-	-
ED.2	2	2	3	3	2	2	3	-	-	-	-	-	-
ED.3	2	3	3	3	3	2	3	-	-	-	-	-	-
ED.4	2	2	3	2	2	2	2	-	-	-	-	-	-
ED.5	3	2	2	2	2	2	3	-	-	-	-	-	-
ED.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	2.20	2.20	2.80	2.40	2.20	2.20	2.60	-	-	-	-	-	-
Mapping Correlation:		Low	Med	High	NO								
		1	2	3	-								

The attainment is calculated using the grading scale given below

Grading Scale	
Marks Secured	Score
Above 75 %	3
50 – 75 %	2
35 - 50 %	1
Below 35 %	0

The internal exam questionnaire is prepared with specifying each course outcome and is mapped with each question and calculated the attainment of each COs of the course.

	Part A (Short Answer Questions)	W	L	C
Q.1	Define Agricultural Economics	1	L1	CO1
Q.2	Explain WTO	1	L2	CO4
Q.3	Explain Co-operative Credit societies in India	1	L2	CO2
Q.4	Describe Schultzian view of traditional agriculture	1	L1	CO5
	Part B (Short Essay/ Problems)			
Q.5	Examine the relevance of agro-based industry for a developing economy.	2	L4	CO3
Q.6	Briefly Explain the present system of agricultural marketing in India.	2	L2	CO4
Q.7	Identify major problems of Indian Agriculture	2	L3	CO2
	Part C (Essay Question)			
Q.8	Critically evaluate the role of agriculture in economic development	5	L5	CO2



The Revised Bloom's Taxonomy is used as the foundation for the question paper for the internal test. Each question is tagged with the appropriate Bloom's Revised Taxonomy Level (Remembering (L1), Understanding (L2), Applying (L3), Analysing (L4), Evaluating (L5) and creating (L6)) and the relevant course outcome (CO) number.

The institution follows the same way for seminars, assignments etc or other assessment methods and final internal marks is consolidated and submitted to affiliated university.

The threshold value of 70% of students getting 35% of weighted marks, 50% of students getting 25% of weighted marks, and 35% or more of students getting 35% of weighted marks as 1 for Continuous Internal Assessment is used to calculate the examination attainment levels of the courses. The Programme Outcomes and Programme Specific Outcomes are validated through a feedback mechanism in the indirect manner.

***Course Attainment = 80% from direct method + 20% from indirect method***

All the records are keeping in an online mode and get shared with the students before the submission of internal marks to university.

### **Transparency in Evaluation**

- Exam dates set in advance on the college calendar
- Students were given an explanation of consolidation and CIE computation.
- The students receive the internal evaluation process and sample test question paper.
- In question paper the entire COs are marked and the invigilator read the COs of the course at the examination hall.
- After examination, the distributed answer scripts have been examined
- Finally the 'internal mark' is verified by the students.

# Model Question Paper- I with effect from 2022

## S.N.M. COLLEGE, MALIANKARA

### MA ECONOMICS

SEMESTER IV-INTERNAL EXAMINATION, JUNE 2022

EC800401-AGRICULTURAL ECONOMICS

OUTCOME BASED EDUCATION

Student Name : \_\_\_\_\_

Course Code : \_\_\_\_\_

Course Name : \_\_\_\_\_

Class : \_\_\_\_\_ Roll NO: \_\_\_\_\_

University Reg No: 

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Student Signature : \_\_\_\_\_ Date: \_\_\_\_\_

Q. No	COs	Bloom's Level	Max. Weightage/Mark	Weightage/Mark obtained
Q.1	CO1	L1	1	
Q.2	CO4	L2	1	
Q.3	CO2	L2	1	
Q.4	CO5	L1	1	
Q.5	CO3	L4	2	
Q.6	CO4	L2	2	
Q.7	CO2	L3	2	
Q.8	CO2	L5	5	
Grade		Total Weightage/Marks		

CO1		CO2		CO3		CO4		CO5	
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# Model Question Paper- I with effect from 2022

## S.N.M. COLLEGE, MALIANKARA

### MA ECONOMICS

SEMESTER IV-INTERNAL EXAMINATION, JUNE 2022

EC800401-AGRICULTURAL ECONOMICS

TIME: 1 ½ hours

Max. Weightage:15

Each question is tagged with the appropriate Bloom's Revised Taxonomy Level (Remembering (L1), Understanding (L2), Applying (L3), Analysing (L4), Evaluating (L5) and creating (L6)) and the relevant course outcome (CO) number

#### Course Outcomes

CO1: Gain adequate knowledge about the relevant concepts and principles of Agricultural Economics.

CO2: The students can assess the problems of the farm sector and can make contributions to the prosperity of villages.

CO3: Analyze the linkages between agriculture and other sectors of the economy, including agribusiness, food processing, and rural employment.

CO4: Students will be able to understand the real situations and the concrete problems of agriculture and economic development

CO5: Understanding of various models developed related to agricultural development.

Notes:

1. Answer all questions

2. W: Weightage, L: Bloom's level, C: Course outcomes.

	<b>Part A (Short Answer Questions)</b>	<b>W</b>	<b>L</b>	<b>C</b>
<b>Q.1</b>	Define Agricultural Economics	<b>1</b>	<b>L1</b>	<b>CO1</b>
<b>Q.2</b>	Explain WTO	<b>1</b>	<b>L2</b>	<b>CO4</b>
<b>Q.3</b>	Explain Co-operative Credit societies in India	<b>1</b>	<b>L2</b>	<b>CO2</b>
<b>Q.4</b>	Describe Schultzian view of traditional agriculture	<b>1</b>	<b>L1</b>	<b>CO5</b>
	<b>Part B (Short Essay/ Problems)</b>			
<b>Q.5</b>	Examine the relevance of agro-based industry for a developing economy.	<b>2</b>	<b>L4</b>	<b>CO3</b>
<b>Q.6</b>	Briefly Explain the present system of agricultural marketing in India.	<b>2</b>	<b>L2</b>	<b>CO4</b>
<b>Q.7</b>	Identify major problems of Indian Agriculture	<b>2</b>	<b>L3</b>	<b>CO2</b>
	<b>Part C (Essay Question)</b>			
<b>Q.8</b>	Critically evaluate the role of agriculture in economic development	<b>5</b>	<b>L5</b>	<b>CO2</b>

# S.N.M COLLEGE, MALIANKARA

Affiliated to Mahatma Gandhi University, Kottavam

## DEPARTMENT OF PHYSICS

### CO ATTAINMENT SUMMARY FILE

<b>NAME</b>	Dr. Lakshmi S Bose	<b>SEM</b>	I	<b>Year of study</b>	2022-23	<b>ODD/EVEN</b>
<b>COURSE</b>	MSc Physics	<b>CODE</b>	PH010103	<b>COURSE NAME</b>	<b>ED</b>	ODD

**COURSE OUTCOMES.** At the end of the Course students will be able to ....

CO-1	ED.1	Impart proper understanding of electricity magnetism and electrodynamics				
CO-2	ED.2	Explain the electromagnetic field radiating from accelerated charges and the impact of relativity in electromagnetism along with confined propagation of				
CO-3	ED.3	Understand wave nature of electromagnetic field and its properties				
CO-4	ED.4	Use Maxwell equations in analysing the electromagnetic field due to time varying charge and current distribution				
CO-5	ED.5	Describe the nature of electromagnetic wave and its propagation through different media and interfaces				
CO-6	ED.6					

Prerequisite Subjects:

#### COURSE ARTICULATION MATRIX-CO-PO MAPPING

#### CO-PSO Matrix

GRADUATE ATTRIBUTES	Subject competence and Problem solving	Research related skills	CO-operation & team work	Analytical Reasoning	Scientific reasoning	Self directed learning	Critical Thinking	PO8	PO9	PO10	PO11	PO12	CO-PSO Matrix					
													PO1	PO2	PO3	PO4	PO5	PO6
ED.1	2	2	3	2	2	3	2	-	-	-	-	-	ED.1	3	2	1	3	3
ED.2	2	2	3	3	2	2	3	-	-	-	-	-	ED.2	3	2	2	3	2
ED.3	2	3	3	3	3	2	3	-	-	-	-	-	ED.3	2	3	3	2	2
ED.4	2	2	3	2	2	2	2	-	-	-	-	-	ED.4	3	2	2	2	2
ED.5	3	2	2	2	2	2	3	-	-	-	-	-	ED.5	-	-	-	-	-
ED.6	-	-	-	-	-	-	-	-	-	-	-	-	ED.6	-	-	-	-	-
Average	2.20	2.20	2.80	2.40	2.20	2.20	2.60	-	-	-	-	-	Average	2.75	2.25	2.00	2.50	2.25

Mapping Corelation:

	Low	Med	High	NO															
	1	2	3	-															

### ATTAINMENT METHODS AND TOOLS

DIRECT ATTAINMENT 80%

INDIRECT ATTAINMENT 20%

<b>TOOLS</b>	<b>Frequency &amp; Mode</b>	<b>Weightage</b>	<b>TOOLS</b>	<b>Frequency</b>
Internal Evaluation	Internal exam 1 & 2	80	Feedback	Once in Sem End

Internal Evaluation	Assignment 1 & 2, Seminar	20		
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**Rubrics/TARGET LEVELS**

<b>Weightage</b>					<b>TARGET FOR CONTINUOUS INTERNAL EVALUATION</b>				
<b>80</b>	<b>LEVEL3</b>	<b>75</b>	percent of students to get	<b>75</b>	percent marks				
	<b>LEVEL2</b>	<b>50</b>	percent of students to get	<b>50</b>	percent marks				
	<b>LEVEL1</b>	<b>35</b>	percent of students to get	<b>35</b>	percent marks				

<b>TARGET FOR FINAL INTERNAL EXAM</b>					
<b>20</b>	<b>LEVEL3</b>	<b>70</b>	percent of students to get	<b>75</b>	percent marks
	<b>LEVEL2</b>	<b>50</b>	percent of students to get	<b>50</b>	percent marks
	<b>LEVEL1</b>	<b>35</b>	percent of students to get	<b>35</b>	percent marks

**CO ATTAINMENT BY DIRECT METHODS for 80%From Direct sheet**

		PERCENTAGE						LEVELS					
Wt	Tools	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6
<b>80</b>	<i>Internal</i>	36	91	91	73	45	0	1	3	3	2	1	0
<b>20</b>	<i>Attainment</i>	45	45	45	45	45		1	1	1	1	1	
<b>100</b>	<b>TOTAL</b>	<b>38</b>	<b>82</b>	<b>82</b>	<b>67</b>	<b>45</b>	<b>NA</b>	<b>1.00</b>	<b>2.60</b>	<b>2.60</b>	<b>1.80</b>	<b>1.00</b>	<b>NA</b>

**CO ATTAINMENT BY IN-DIRECT METHOD SURVEY for 20%- From INDIRECT Sheet**

		PERCENTAGE						LEVELS					
Wt	Tools	CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6
100	<i>Feedback</i>	95	89	93	93	93	0	3	3	3	3	3	0

0.8\*Direct + 0.2\* Indirect only for this course

FINAL CO ATTAINMENT		PERCENTAGE						LEVELS					
		CO1	CO2	CO3	CO4	CO5	CO6	CO1	CO2	CO3	CO4	CO5	CO6
		<b>49</b>	<b>83</b>	<b>84</b>	<b>73</b>	<b>55</b>	<b>NA</b>	<b>1.40</b>	<b>2.68</b>	<b>2.68</b>	<b>2.04</b>	<b>1.40</b>	<b>NA</b>

**DIRECT ATTAINMENT TO MAPPING SCALE**

DIRECT ATTAINED	Program Outcomes													PSO				
	COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	COs	1	2	3	4
<b>1.00</b>	<b>ED.1</b>	1	1	1	1	1	1	1	-	-	-	-	-	<b>ED.1</b>	1	1	0	1
<b>2.60</b>	<b>ED.2</b>	2	2	3	3	2	2	3	-	-	-	-	-	<b>ED.2</b>	3	2	2	3
<b>2.60</b>	<b>ED.3</b>	2	3	3	3	3	2	3	-	-	-	-	-	<b>ED.3</b>	2	3	3	2
<b>1.80</b>	<b>ED.4</b>	1	1	2	1	1	1	1	-	-	-	-	-	<b>ED.4</b>	2	1	1	1
<b>1.00</b>	<b>ED.5</b>	1	1	1	1	1	1	1	-	-	-	-	-	<b>ED.5</b>	-	-	-	-
<b>NA</b>	<b>ED.6</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>ED.6</b>	-	-	-	-
<b>Average</b>	<b>ED</b>	1.27	1.37	1.73	1.55	1.37	1.27	1.61	-	-	-	-	-	<b>Average</b>	1.78	1.55	1.47	2

**IN-DIRECT ATTAINMENT TO MAPPING SCALE**

IN DIRECT ATTAINED	COs	Program Outcomes												COs	PSO			
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		1	2	3	4
3	ED.1	2	2	3	2	2	3	2	-	-	-	-	-	ED.1	3	2	1	3
3	ED.2	2	2	3	3	2	2	3	-	-	-	-	-	ED.2	3	2	2	3
3	ED.3	2	3	3	3	3	2	3	-	-	-	-	-	ED.3	2	3	3	2
3	ED.4	2	2	3	2	2	2	2	-	-	-	-	-	ED.4	3	2	2	2
3	ED.5	3	2	2	2	2	2	3	-	-	-	-	-	ED.5	-	-	-	-
0	ED.6	-	-	-	-	-	-	-	-	-	-	-	-	ED.6	-	-	-	-
<b>Average</b>	<b>ED</b>	2.20	2.20	2.80	2.40	2.20	2.20	2.60	-	-	-	-	-	<b>Average</b>	2.75	2.25	2.00	2.50

**FINAL ATTAINMENT 80% Direct + 20% INDIRECT**

COs	Final = 80%Direct + 20% Indirect	Program Outcomes												COs	PSO			
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		1	2	3	4
ED.1		1	1	1	1	1	1	1	-	-	-	-	-	ED.1	1	1	0	1
ED.2		2	2	3	3	2	2	3	-	-	-	-	-	ED.2	3	2	2	3
ED.3		2	3	3	3	3	2	3	-	-	-	-	-	ED.3	2	3	3	2
ED.4		1	1	2	1	1	1	1	-	-	-	-	-	ED.4	2	1	1	1
ED.5		1	1	1	1	1	1	1	-	-	-	-	-	ED.5	-	-	-	-
ED.6		-	-	-	-	-	-	-	-	-	-	-	-	ED.6	-	-	-	-
<b>ED</b>	<b>Average</b>	1	2	2	2	2	1	2	-	-	-	-	-	<b>Average</b>	2	2	2	2







# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA ECONOMICS
Semester	III
Course Code	EC3CRT03
Course Name	MACRO ECONOMIC ANALYSIS II
Credit	5
Hours	72
Name of the Faculty	Ms SREEJA V S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.242
CO2	2.364
CO3	2.394
CO4	2.394
CO5	2.379
CO6	2.273

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	1	2	3	2	1	2
CO2	1	3	2	2	1	2	1
CO3	3	1	2	2	3	2	3
CO4	2	3	3	2	3	3	2
CO5	2	2	1	2	3	3	3
CO6	3	3	2	2	2	2	2
PO attainment	2.338	2.345	2.342	2.333	2.350	2.355	2.346

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.870	1.876	1.874	1.867	1.880	1.884	1.877
Indirect Attainment	0.488	0.489	0.487	0.486	0.490	0.487	0.489
Total	2.359	2.365	2.361	2.352	2.369	2.372	2.366





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc BOTANY
Semester	I
Course Code	BO1CRT01
Course Name	METHODOLOGY OF SCIENCE AND AN INTRODUCTION TO BOTANY
Credit	2
Hours	36
Name of the Faculty	Dr. SANILKUMAR M G

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.333
CO2	3.000
CO3	2.481
CO4	2.333
CO5	2.444
CO6	2.222

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	2	1	3	2	2	2
CO2	2	2	2	2	2	2	2
CO3	3	2	3	2	1	2	2
CO4	2	2	3	1	3	3	3
CO5	3	2	1	2	3	2	3
CO6	1	3	3	2	1	2	2
PO attainment	2.500	2.450	2.453	2.469	2.475	2.459	2.458

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.000	1.960	1.962	1.975	1.980	1.967	1.966
Indirect Attainment	0.459	0.475	0.468	0.466	0.463	0.467	0.467
Total	2.459	2.435	2.430	2.441	2.444	2.434	2.433





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc BOTANY
Semester	III
Course Code	BO3CRT03
Course Name	PHYCOLOGY and BRYOLOGY
Credit	3
Hours	54
Name of the Faculty	Ms ASHA A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	3.000
CO2	3.000
CO3	2.080
CO4	2.240
CO5	2.440
CO6	2.360

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	2	3	2	3	2
CO2	2	1	2	1	3	1	3
CO3	1	2	2	2	2	2	3
CO4	2	2	2	2	1	1	3
CO5	3	2	2	1	3	1	2
CO6	1	3	2	2	2	1	1
PO attainment	2.567	2.467	2.520	2.527	2.572	2.578	2.514

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.054	1.973	2.016	2.022	2.058	2.062	2.011
Indirect Attainment	0.478	0.473	0.471	0.471	0.477	0.473	0.475
Total	2.531	2.446	2.487	2.493	2.534	2.536	2.487





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc BOTANY
Semester	V
Course Code	BO5CRT08
Course Name	ENVIRONMENTAL SCIENCE AND HUMAN RIGHTS
Credit	3
Hours	54
Name of the Faculty	Ms ASHA A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	1.519
CO2	1.000
CO3	2.222
CO4	2.222
CO5	2.333
CO6	2.296

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	2	3	2	1	2	1
CO2	1	2	2	2	2	2	2
CO3	3	1	1	1	3	2	2
CO4	1	1	1	3	2	2	3
CO5	1	1	3	2	3	2	3
CO6	1	3	2	3	3	2	2
PO attainment	2.005	1.870	1.883	1.960	2.037	1.932	2.017

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.604	1.496	1.506	1.568	1.630	1.546	1.614
Indirect Attainment	0.464	0.460	0.469	0.472	0.460	0.465	0.460
Total	2.068	1.956	1.975	2.040	2.090	2.011	2.074





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc BOTANY
Semester	I
Course Code	BY010101
Course Name	MICROBIOLOGY
Credit	4
Hours	27
Name of the Faculty	Ms THUSHARA V S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.467
CO2	3.000
CO3	2.467
CO4	2.000
CO5	2.267
CO6	2.200

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	2	3	2	2	2
CO2	3	1	2	3	2	3	3
CO3	2	2	2	2	2	2	3
CO4	2	2	2	2	3	1	1
CO5	3	2	2	3	3	3	2
CO6	1	3	2	2	2	3	3
PO attainment	2.451	2.344	2.400	2.436	2.362	2.448	2.462

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.961	1.875	1.920	1.948	1.890	1.958	1.970
Indirect Attainment	0.450	0.430	0.443	0.442	0.442	0.440	0.438
Total	2.411	2.304	2.363	2.390	2.331	2.398	2.408





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc BOTANY
Semester	III
Course Code	BY010302
Course Name	BIOTECHNOLOGY, BIO INFORMATICS AND BIO-NANOTECHNOLOGY
Credit	4
Hours	72
Name of the Faculty	Dr SIMI MS

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	3.000
CO2	3.000
CO3	2.050
CO4	1.950
CO5	2.450
CO6	2.450

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	1	2	3	3	2	3
CO2	2	3	2	2	3	2	3
CO3	3	1	3	3	2	2	2
CO4	3	3	3	2	2	2	2
CO5	3	3	2	2	3	2	3
CO6	1	2	2	2	2	2	2
PO attainment	2.414	2.473	2.414	2.489	2.550	2.483	2.550

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.931	1.978	1.931	1.991	2.040	1.987	2.040
Indirect Attainment	0.436	0.428	0.434	0.434	0.433	0.433	0.433
Total	2.368	2.406	2.366	2.425	2.473	2.420	2.473





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc ZOOLOGY
Semester	I
Course Code	ZY1CRT01
Course Name	GENERAL PERSPECTIVES IN SCIENCE & PROTISTAN DIVERSITY
Credit	2
Hours	36
Name of the Faculty	Ms ARCHANA K S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	3.000
CO2	3.000
CO3	2.148
CO4	2.407
CO5	1.889
CO6	2.000

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	2	2	2	1
CO2	2	3	1	2	3	2	3
CO3	3	2	2	2	1	2	1
CO4	2	2	2	2	2	3	3
CO5	3	2	2	2	3	3	2
CO6	1	1	2	2	2	2	2
PO attainment	2.379	2.491	2.407	2.407	2.433	2.370	2.429

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.903	1.993	1.926	1.926	1.946	1.896	1.943
Indirect Attainment	0.422	0.421	0.422	0.422	0.420	0.421	0.420
Total	2.325	2.414	2.348	2.348	2.367	2.317	2.363





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc ZOOLOGY
Semester	III
Course Code	ZY3CRT03
Course Name	ANIMAL DIVERSITY –CHORDATA
Credit	3
Hours	54
Name of the Faculty	Dr. REKHA PARTHASARATHY

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	1.667
CO2	1.000
CO3	2.200
CO4	1.867
CO5	2.739
CO6	1.933

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	2	2	2	2	2	2
CO2	1	3	2	2	3	1	3
CO3	1	1	2	2	2	1	2
CO4	2	1	2	2	1	2	2
CO5	1	2	2	2	3	2	1
CO6	1	2	1	2	2	2	2
PO attainment	1.845	1.795	1.898	1.901	1.899	1.961	1.756

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.476	1.436	1.518	1.521	1.519	1.569	1.405
Indirect Attainment	0.429	0.438	0.435	0.431	0.434	0.433	0.435
Total	1.905	1.874	1.953	1.952	1.953	2.002	1.840





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc ZOOLOGY
Semester	V
Course Code	ZY5CRT05
Course Name	ENVIRONMENTAL BIOLOGY AND HUMAN RIGHTS
Credit	3
Hours	54
Name of the Faculty	Dr. REKHA PARTHASARATHY

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.459
CO2	3.000
CO3	2.216
CO4	2.000
CO5	2.270
CO6	2.135

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	1	1	2	2	3
CO2	2	3	3	2	3	2	3
CO3	2	3	3	2	3	2	2
CO4	2	2	3	1	2	3	3
CO5	3	2	2	2	3	1	2
CO6	1	3	2	1	2	2	2
PO attainment	2.358	2.373	2.351	2.396	2.377	2.324	2.375

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.886	1.899	1.881	1.917	1.901	1.859	1.900
Indirect Attainment	0.414	0.415	0.413	0.412	0.415	0.414	0.415
Total	2.301	2.314	2.294	2.329	2.316	2.273	2.314





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc ZOOLOGY
Semester	I
Course Code	ZL010103
Course Name	BIOCHEMISTRY
Credit	4
Hours	72
Name of the Faculty	Ms JASMINE CS

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	3.000
CO2	3.000
CO3	2.333
CO4	2.417
CO5	2.000
CO6	2.000

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	2	2	2	2	2
CO2	2	3	2	2	3	3	3
CO3	3	1	3	2	2	3	3
CO4	2	3	3	2	3	3	3
CO5	3	1	1	2	3	2	3
CO6	1	2	3	2	1	2	2
PO attainment	2.449	2.549	2.446	2.458	2.494	2.483	2.453

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.959	2.039	1.957	1.967	1.995	1.987	1.963
Indirect Attainment	0.400	0.395	0.403	0.404	0.398	0.400	0.397
Total	2.359	2.434	2.360	2.371	2.393	2.387	2.360





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc ZOOLOGY
Semester	III
Course Code	ZL010301
Course Name	ANIMAL PHYSIOLOGY
Credit	4
Hours	72
Name of the Faculty	Ms SIBY M B

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	3.000
CO2	3.000
CO3	1.727
CO4	2.364
CO5	1.636
CO6	2.000

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	3	3	1	2	2
CO2	2	3	2	2	3	2	3
CO3	1	3	3	2	2	2	3
CO4	1	2	3	3	2	3	3
CO5	3	2	2	2	3	3	3
CO6	1	2	2	2	2	2	2
PO attainment	2.364	2.345	2.303	2.344	2.238	2.247	2.261

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.891	1.876	1.842	1.875	1.790	1.797	1.809
Indirect Attainment	0.393	0.410	0.407	0.404	0.399	0.403	0.402
Total	2.284	2.287	2.249	2.280	2.189	2.200	2.211





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA MALAYALAM
Semester	I
Course Code	ML1CRT01
Course Name	NAVEENAKAVITHA
Credit	4
Hours	70
Name of the Faculty	Ms VIJI M P

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.182
CO2	2.182
CO3	1.727
CO4	2.045
CO5	1.955
CO6	2.045

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	2	2	2	2
CO2	2	3	2	2	3	2	3
CO3	2	2	3	2	3	2	3
CO4	2	3	3	2	3	3	3
CO5	2	3	3	2	3	2	3
CO6	1	3	3	2	3	2	2
PO attainment	2.566	2.406	2.543	2.523	2.366	2.486	2.386

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.053	1.925	2.034	2.018	1.893	1.989	1.909
Indirect Attainment	0.422	0.404	0.410	0.410	0.415	0.411	0.411
Total	2.475	2.329	2.444	2.428	2.308	2.399	2.320

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com OFFICE MANAGEMENT AND SECRETRIAL PRACTICE MODEL III
Semester	I
Course Code	CO1CRT03
Course Name	CORPORATE REGULATIONS AND ADMINISTRATION
Credit	3
Hours	72
Name of the Faculty	Ms DHANITHA M S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.500
CO2	2.300
CO3	2.400
CO4	2.550
CO5	2.350
CO6	2.050

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	1	3	2	3	3	3
CO5	3	2	2	2	3	3	3
CO6	1	3	3	2	2	2	2
PO attainment	2.385	2.308	2.363	2.369	2.369	2.371	2.369

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.908	1.847	1.890	1.895	1.895	1.897	1.895
Indirect Attainment	0.451	0.451	0.449	0.453	0.449	0.452	0.451
Total	2.358	2.297	2.339	2.348	2.344	2.349	2.346





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA ECONOMICS
Semester	I
Course Code	EC1CRT01
Course Name	PERSPECTIVES AND METHODOLOGY OF ECONOMICS
Credit	4
Hours	108
Name of the Faculty	Mr VIPIN K D

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.091
CO2	2.418
CO3	2.273
CO4	2.273
CO5	2.455

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	1	2	2
CO2	2	1	2	2	3	2	3
CO3	3	1	3	1	1	2	3
CO4	2	3	3	2	3	3	3
CO5	3	2	2	1	1	3	3
PO attainment	2.134	1.717	1.853	1.853	1.899	1.982	2.027

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.707	1.373	1.483	1.482	1.519	1.585	1.622
Indirect Attainment	0.479	0.482	0.478	0.476	0.481	0.479	0.481
Total	2.186	1.855	1.961	1.958	2.000	2.064	2.103





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MA ECONOMICS
Semester	I
Course Code	EC010101
Course Name	MICRO ECONOMICS-I
Credit	4
Hours	90
Name of the Faculty	Mr NIKHIL M B

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.267
CO2	2.733
CO3	2.267
CO4	2.467
CO5	2.400

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	2	2	1	3	2	3
CO3	3	1	3	2	2	2	3
CO4	1	1	3	2	3	3	3
CO5	3	2	2	2	2	3	3
PO attainment	2.417	2.467	2.429	2.406	2.467	2.443	2.450

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.933	1.973	1.943	1.924	1.973	1.954	1.960
Indirect Attainment	0.438	0.422	0.427	0.427	0.433	0.429	0.431
Total	2.371	2.395	2.370	2.351	2.407	2.383	2.391

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA ENGLISH
Semester	I
Course Code	EN1CRT01
Course Name	METHODOLOGY OF LITERARY STUDIES
Credit	4
Hours	90
Name of the Faculty	Dr. AJEESH S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.667
CO2	2.111
CO3	2.296
CO4	2.222
CO5	2.148

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	2	3	1	3	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	3	3	1	3
CO4	2	2	1	2	3	3	3
CO5	1	1	1	3	3	3	3
PO attainment	2.276	2.296	2.345	2.256	2.294	2.279	2.271

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.821	1.837	1.876	1.805	1.835	1.823	1.817
Indirect Attainment	0.405	0.401	0.401	0.405	0.401	0.403	0.401
Total	2.225	2.238	2.277	2.210	2.237	2.226	2.218

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc PHYSICS
Semester	I
Course Code	PH010102
Course Name	CLASSICAL MECHANICS
Credit	4
Hours	72
Name of the Faculty	Dr. NEENA P

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.545
CO2	2.909
CO3	2.091
CO4	2.091
CO5	2.091

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	2	2	1	2
CO2	2	2	2	3	1	1	3
CO3	1	1	3	2	2	2	3
CO4	3	3	2	2	3	3	3
CO5	2	2	2	2	2	3	3
PO attainment	2.098	2.248	2.127	2.224	2.098	2.061	2.199

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.678	1.798	1.702	1.779	1.679	1.648	1.759
Indirect Attainment	0.427	0.425	0.418	0.428	0.424	0.424	0.421
Total	2.105	2.223	2.120	2.207	2.103	2.073	2.180

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc CHEMISTRY
Semester	I
Course Code	CHICRT01
Course Name	GENERAL AND ANALYTICAL CHEMISTRY
Credit	2
Hours	36
Name of the Faculty	Mr. RINEESH P A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.000
CO2	3.000
CO3	1.867
CO4	1.933
CO5	2.125

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	1	3	3	2	2	2
CO2	2	2	1	2	2	2	3
CO3	2	1	3	2	2	3	3
CO4	2	2	3	2	3	3	3
CO5	3	3	3	1	2	3	3
PO attainment	2.096	2.135	2.033	2.092	2.089	2.077	2.134

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.677	1.708	1.626	1.673	1.671	1.661	1.708
Indirect Attainment	0.453	0.449	0.447	0.448	0.452	0.450	0.452
Total	2.130	2.157	2.073	2.121	2.123	2.111	2.159

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc CHEMISTRY
Semester	I
Course Code	CH500101
Course Name	ORGANOMETALLICS AND NUCLEAR CHEMISTRY
Credit	4
Hours	72
Name of the Faculty	Ms PREENA N

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.600
CO2	2.867
CO3	2.400
CO4	2.000
CO5	1.933

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	2	3	3	2
CO2	2	3	2	2	3	3	3
CO3	3	1	3	3	3	2	3
CO4	2	2	2	2	1	3	3
CO5	2	2	2	2	3	3	3
PO attainment	2.349	2.374	2.367	2.349	2.396	2.346	2.333

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.879	1.899	1.893	1.879	1.916	1.877	1.867
Indirect Attainment	0.417	0.438	0.436	0.433	0.423	0.431	0.430
Total	2.296	2.338	2.329	2.312	2.340	2.308	2.296





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MA MALAYALAM
Semester	I
Course Code	ML010101
Course Name	KAVITHA: PRACHEENAM, MADHAKALAM
Credit	4
Hours	90
Name of the Faculty	Ms VIJI M P

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	3.000
CO2	2.059
CO3	2.235
CO4	1.765
CO5	2.000

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	2	2	2	2
CO2	2	2	3	3	2	2	3
CO3	2	1	3	2	2	2	3
CO4	3	3	2	2	2	3	3
CO5	2	2	2	3	2	3	3
PO attainment	2.034	2.131	2.125	2.088	2.098	2.067	2.077

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.627	1.705	1.700	1.671	1.678	1.654	1.662
Indirect Attainment	0.430	0.446	0.443	0.443	0.435	0.441	0.439
Total	2.057	2.151	2.143	2.114	2.113	2.095	2.101

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MA MALAYALAM
Semester	III
Course Code	ML010305
Course Name	PASHCHATHYA SAHITHYA SIDHANDHAM
Credit	4
Hours	90
Name of the Faculty	Ms SHIJI T S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.176
CO2	2.059
CO3	2.412
CO4	1.882
CO5	2.118

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	2	3	3	1	2	2
CO2	2	1	2	2	2	2	3
CO3	2	1	3	1	1	3	3
CO4	2	2	3	2	3	3	3
CO5	3	3	3	2	1	3	3
PO attainment	2.122	2.096	2.125	2.098	2.059	2.122	2.118

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.697	1.677	1.700	1.678	1.647	1.697	1.694
Indirect Attainment	0.416	0.438	0.432	0.430	0.424	0.429	0.429
Total	2.114	2.115	2.132	2.109	2.071	2.127	2.123

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com COMPUTER APPLICATION MODEL II
Semester	I
Course Code	COICRT03
Course Name	CORPORATE REGULATIONS AND ADMINISTRATION
Credit	3
Hours	54
Name of the Faculty	Ms. GEETHU C S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	1.444
CO2	1.543
CO3	2.235
CO4	1.704
CO5	2.049

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	2	2	3	2
CO2	2	2	2	1	3	3	3
CO3	3	1	1	2	3	2	3
CO4	1	1	2	2	2	3	3
CO5	2	2	2	2	3	3	3
PO attainment	1.848	1.779	1.739	1.828	1.832	1.775	1.824

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.479	1.423	1.391	1.463	1.466	1.420	1.459
Indirect Attainment	0.418	0.421	0.412	0.417	0.420	0.417	0.417
Total	1.897	1.844	1.803	1.880	1.885	1.837	1.876





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com COMPUTER APPLICATION MODEL II
Semester	III
Course Code	CO3CRT07
Course Name	CORPORATE ACCOUNTS - I
Credit	4
Hours	90
Name of the Faculty	Ms KOMAL K R

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	1.154
CO2	1.333
CO3	1.821
CO4	2.346
CO5	2.247

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	3	1	2	2	2
CO2	2	3	3	2	2	2	3
CO3	2	1	2	2	3	1	3
CO4	2	2	1	2	2	3	3
CO5	1	1	1	3	3	3	3
PO attainment	1.752	1.580	1.524	1.803	1.758	1.793	1.768

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.402	1.264	1.219	1.442	1.406	1.435	1.414
Indirect Attainment	0.415	0.420	0.413	0.417	0.416	0.415	0.414
Total	1.817	1.684	1.632	1.860	1.822	1.850	1.828

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com COMPUTER APPLICATION MODEL II
Semester	V
Course Code	CO5CRT14
Course Name	COST ACCOUNTING- I
Credit	4
Hours	108
Name of the Faculty	Ms DIVYA K MANI

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	1.554
CO2	2.400
CO3	2.431
CO4	2.108
CO5	2.077

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	1	2
CO2	2	3	2	2	1	1	3
CO3	1	1	3	2	3	2	3
CO4	2	3	3	2	3	3	3
CO5	2	2	1	2	3	3	3
PO attainment	2.016	2.056	2.004	1.969	2.019	2.023	2.066

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.613	1.645	1.604	1.575	1.615	1.619	1.653
Indirect Attainment	0.441	0.458	0.443	0.446	0.446	0.447	0.448
Total	2.054	2.102	2.047	2.022	2.061	2.066	2.101

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com FINANCE AND TAXATION MODEL II
Semester	I
Course Code	COICRT01
Course Name	DIMENSIONS AND METHODOLOGY OF BUSINESS STUDIES
Credit	2
Hours	54
Name of the Faculty	Ms PRAMITHA LAKSHMANAN

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.333
CO2	2.524
CO3	2.190
CO4	1.952
CO5	2.048

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	1	3	3	2	2	2
CO2	2	3	1	2	3	2	3
CO3	2	2	2	2	3	2	3
CO4	2	3	3	2	2	3	3
CO5	3	2	2	1	3	3	3
PO attainment	2.135	2.092	2.111	2.111	2.121	2.075	2.110

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.708	1.673	1.689	1.689	1.697	1.660	1.688
Indirect Attainment	0.455	0.466	0.464	0.459	0.460	0.460	0.461
Total	2.163	2.140	2.153	2.148	2.156	2.120	2.149





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com FINANCE AND TAXATION MODEL II
Semester	III
Course Code	CO3CRT08
Course Name	QUANTITATIVE TECHNIQUES FOR BUSINESS - I
Credit	4
Hours	72
Name of the Faculty	Ms SREEDEVI KS

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.051
CO2	2.508
CO3	2.220
CO4	1.831
CO5	2.203

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	1	2
CO2	2	3	2	2	3	2	3
CO3	3	3	2	2	3	2	3
CO4	2	3	3	2	1	3	3
CO5	3	2	3	2	3	3	3
PO attainment	2.116	2.035	2.005	2.046	2.117	2.040	2.082

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.693	1.628	1.604	1.637	1.694	1.632	1.665
Indirect Attainment	0.478	0.466	0.469	0.469	0.474	0.471	0.473
Total	2.171	2.094	2.074	2.105	2.168	2.103	2.138





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

<b>Year</b>	2022 - 23
<b>Program</b>	B.Com FINANCE AND TAXATION MODEL I
<b>Semester</b>	I
<b>Course Code</b>	CO1CRT02
<b>Course Name</b>	FINANCIAL ACCOUNTING- I
<b>Credit</b>	4
<b>Hours</b>	90
<b>Name of the Faculty</b>	Dr REENA T S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.167
CO2	2.500
CO3	2.267
CO4	2.333
CO5	2.417

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	2	3	2	3	2	3
CO4	1	3	3	2	3	3	3
CO5	3	2	2	2	3	3	3
<b>PO attainment</b>	<b>2.340</b>	<b>2.353</b>	<b>2.327</b>	<b>2.328</b>	<b>2.351</b>	<b>2.346</b>	<b>2.351</b>

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.872	1.883	1.862	1.863	1.881	1.877	1.881
Indirect Attainment	0.482	0.485	0.480	0.480	0.484	0.482	0.484
Total	2.354	2.368	2.342	2.342	2.364	2.359	2.365

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com FINANCE AND TAXATION MODEL I
Semester	III
Course Code	CO3CRT09
Course Name	FINANCIAL MARKETS AND OPERATIONS
Credit	3
Hours	72
Name of the Faculty	Dr REENA T S

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.086
CO2	2.143
CO3	1.971
CO4	2.114
CO5	2.014

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	3	2
CO2	2	3	2	2	3	2	3
CO3	3	2	2	2	3	2	3
CO4	2	3	3	2	3	3	3
CO5	3	2	2	2	3	3	3
PO attainment	2.049	2.061	2.057	2.057	2.056	2.058	2.056

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.640	1.649	1.646	1.646	1.645	1.646	1.645
Indirect Attainment	0.418	0.409	0.412	0.413	0.414	0.412	0.411
Total	2.058	2.058	2.058	2.058	2.059	2.058	2.056

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com OFFICE MANAGEMENT AND SECRETARIAL PRACTICE MODEL III
Semester	V
Course Code	CO5CRT15
Course Name	ENVIRONMENT MANAGEMENT & HUMAN RIGHTS
Credit	4
Hours	90
Name of the Faculty	Ms NISHA T X

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.216
CO2	2.054
CO3	2.027
CO4	2.000
CO5	2.270

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	3	1	2	3	2	3
CO4	3	3	3	2	3	3	3
CO5	3	2	3	2	3	3	3
PO attainment	2.112	2.101	2.133	2.125	2.110	2.120	2.110

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.690	1.681	1.707	1.700	1.688	1.696	1.688
Indirect Attainment	0.421	0.413	0.419	0.417	0.418	0.418	0.418
Total	2.111	2.094	2.126	2.117	2.106	2.114	2.106

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc MATHEMATICS
Semester	I
Course Code	MM1CRT01
Course Name	FOUNDATION OF MATHEMATICS
Credit	3
Hours	72
Name of the Faculty	Mr AJAN K A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.211
CO2	2.158
CO3	2.368
CO4	2.421
CO5	2.263

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	2	3	2	3	2	3
CO4	2	3	3	2	3	3	3
CO5	3	2	2	2	3	3	3
PO attainment	2.296	2.302	2.309	2.291	2.299	2.305	2.299

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.836	1.841	1.847	1.833	1.839	1.844	1.839
Indirect Attainment	0.425	0.449	0.432	0.433	0.432	0.435	0.437
Total	2.262	2.290	2.279	2.266	2.272	2.279	2.276

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc MATHEMATICS
Semester	III
Course Code	MM3CRT03
Course Name	CALCULUS
Credit	4
Hours	90
Name of the Faculty	Ms REJEE ITTIVARA

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.154
CO2	2.385
CO3	2.538
CO4	2.308
CO5	2.231

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	3	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	3	3	2	3	3	3
CO5	3	2	1	2	3	3	3
PO attainment	2.343	2.341	2.359	2.331	2.351	2.323	2.351

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.875	1.873	1.887	1.865	1.881	1.858	1.881
Indirect Attainment	0.437	0.447	0.448	0.444	0.441	0.444	0.443
Total	2.311	2.320	2.335	2.309	2.322	2.302	2.324

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA ECONOMICS
Semester	III
Course Code	EC010304
Course Name	ENVIRONMENTAL ECONOMICS
Credit	4
Hours	90
Name of the Faculty	Ms NITHA A U

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.389
CO2	2.500
CO3	2.278
CO4	2.333

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	1	1	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	2	3	1	3	3	3
PO attainment	2.363	2.380	2.356	2.361	2.363	2.361	2.365

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.891	1.904	1.884	1.889	1.890	1.889	1.892
Indirect Attainment	0.468	0.459	0.473	0.469	0.463	0.467	0.465
Total	2.359	2.362	2.357	2.358	2.354	2.356	2.356





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MA ECONOMICS
Semester	III
Course Code	EN2CCT03
Course Name	HARMONY OF PROSE
Credit	4
Hours	90
Name of the Faculty	Ms ANUPA ASOK

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.412
CO2	2.324
CO3	2.382
CO4	2.088

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	1	2	2	3	3	3
PO attainment	2.296	2.303	2.308	2.308	2.285	2.275	2.285

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.837	1.842	1.846	1.846	1.828	1.820	1.828
Indirect Attainment	0.416	0.414	0.418	0.418	0.414	0.417	0.416
Total	2.253	2.256	2.265	2.264	2.242	2.237	2.244





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA ENGLISH
Semester	V
Course Code	ENCRT08
Course Name	LITERARY CRITICISM AND THEORY
Credit	4
Hours	90
Name of the Faculty	Ms DRISHYA DILEEP

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.000
CO2	2.033
CO3	1.900
CO4	2.200

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	3	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	1	1	3	2	3
CO4	2	2	1	3	3	3	3
PO attainment	2.038	2.044	2.036	2.064	2.039	2.052	2.042

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.631	1.636	1.629	1.651	1.631	1.642	1.633
Indirect Attainment	0.424	0.420	0.422	0.418	0.423	0.422	0.425
Total	2.055	2.055	2.051	2.070	2.055	2.064	2.058





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA ENGLISH
Semester	I
Course Code	PH1CRT01
Course Name	METHODOLOGY AND PERSPECTIVS OF PHYSICS
Credit	2
Hours	36
Name of the Faculty	Mr NAMITH NAVAKRISHNAN

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.188
CO2	2.125
CO3	2.250
CO4	1.875

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	1	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	3	2	2	3	3	3
PO attainment	2.161	2.115	2.156	2.149	2.141	2.134	2.141

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.729	1.692	1.725	1.719	1.713	1.707	1.713
Indirect Attainment	0.444	0.446	0.445	0.444	0.445	0.446	0.447
Total	2.173	2.138	2.170	2.163	2.158	2.153	2.160





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc PHYSICS
Semester	III
Course Code	PH3CRT03
Course Name	OPTICS, LASER AND FIBER OPTICS
Credit	3
Hours	54
Name of the Faculty	Mr SUNILKUMAR C P

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.045
CO2	2.273
CO3	2.273
CO4	2.091

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	2	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	3	3	2	3
CO4	2	2	3	2	3	3	3
PO attainment	2.136	2.136	2.136	2.143	2.145	2.127	2.145

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.709	1.709	1.709	1.714	1.716	1.701	1.716
Indirect Attainment	0.453	0.460	0.459	0.460	0.453	0.458	0.456
Total	2.162	2.169	2.168	2.174	2.169	2.159	2.172





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc PHYSICS
Semester	V
Course Code	PH5CRT05
Course Name	CLASSICAL AND QUANTUM MECHANICS
Credit	3
Hours	54
Name of the Faculty	Dr. NEENA P

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.167
CO2	2.233
CO3	1.900
CO4	2.100

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	1	3	3	2	2
CO2	2	1	2	1	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	2	2	3	3	3	3
PO attainment	2.074	2.088	2.081	2.074	2.090	2.088	2.085

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.659	1.670	1.664	1.659	1.672	1.670	1.668
Indirect Attainment	0.418	0.412	0.421	0.417	0.417	0.418	0.418
Total	2.078	2.082	2.086	2.076	2.089	2.088	2.087





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc PHYSICS
Semester	III
Course Code	PH010303
Course Name	ATOMIC AND MOLECULAR PHYSICS
Credit	4
Hours	72
Name of the Faculty	Dr LAKSHMI S BOSE

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.300
CO2	2.350
CO3	2.100
CO4	2.200

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	2	3	3	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	3	2	3	3	3	3
PO attainment	2.246	2.304	2.258	2.257	2.253	2.254	2.250

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.797	1.843	1.806	1.805	1.802	1.803	1.800
Indirect Attainment	0.452	0.456	0.456	0.458	0.453	0.455	0.453
Total	2.249	2.299	2.262	2.263	2.255	2.258	2.253





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc PHYSICS
Semester	III
Course Code	CH43CRP03
Course Name	ORGANIC CHEMISRTY-I
Credit	3
Hours	54
Name of the Faculty	Ms ANUSREE K U

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.154
CO2	2.538
CO3	2.179
CO4	2.128

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	3	2	2
CO2	2	3	2	3	3	2	3
CO3	3	1	3	3	3	2	3
CO4	2	3	2	2	3	3	3
PO attainment	2.253	2.282	2.247	2.271	2.249	2.240	2.255

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.802	1.826	1.797	1.817	1.799	1.792	1.804
Indirect Attainment	0.440	0.436	0.435	0.438	0.439	0.437	0.437
Total	2.242	2.262	2.233	2.254	2.238	2.229	2.241





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc CHEMISTRY
Semester	V
Course Code	CH5CRT05
Course Name	ENVIRONMENT, ECOLOGY AND HUMAN RIGHTS
Credit	4
Hours	72
Name of the Faculty	Ms ADHYA K M

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.441
CO2	1.882
CO3	2.235
CO4	2.235

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	2	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	3	2	3	3	3	3
PO attainment	2.240	2.253	2.231	2.246	2.217	2.239	2.217

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.792	1.802	1.785	1.797	1.774	1.792	1.774
Indirect Attainment	0.440	0.442	0.440	0.439	0.442	0.441	0.443
Total	2.232	2.244	2.225	2.236	2.215	2.233	2.216

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# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc CHEMISTRY
Semester	III
Course Code	CH500301
Course Name	STRUCTURAL INORGANIC CHEMISTRY
Credit	4
Hours	72
Name of the Faculty	Mr RINEESH P A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.235
CO2	2.353
CO3	2.294
CO4	1.882

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	2	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	3	2	2	3	3	3
PO attainment	2.298	2.240	2.246	2.273	2.257	2.248	2.257

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.838	1.792	1.797	1.818	1.806	1.798	1.806
Indirect Attainment	0.471	0.459	0.463	0.466	0.467	0.465	0.464
Total	2.310	2.251	2.260	2.285	2.273	2.263	2.270





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc CHEMISTRY
Semester	III
Course Code	ML3CRT03
Course Name	KERALA SAMSKARAM- POORVAKHATTAM
Credit	4
Hours	70
Name of the Faculty	Ms SONU V SAGAR

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.529
CO2	2.059
CO3	2.294
CO4	2.029

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	3	2	2
CO2	2	2	2	3	3	2	3
CO3	3	1	1	2	3	2	3
CO4	2	2	3	2	3	3	3
PO attainment	2.872	2.162	2.314	2.167	2.048	2.853	2.768

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.297	2.529	2.652	2.533	2.439	2.282	2.215
Indirect Attainment	0.408	0.407	0.407	0.411	0.406	0.408	0.406
Total	2.706	2.936	2.125	2.944	2.845	2.690	2.620





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA MALAYALAM
Semester	V
Course Code	ML5CRT08
Course Name	BHASHA SASTHRAM
Credit	4
Hours	70
Name of the Faculty	Ms RAGI SEKHARAN

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.273
CO2	2.091
CO3	1.727
CO4	1.939

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	1	3	3	3	3	3
PO attainment	2.007	2.098	2.065	2.054	2.021	2.037	2.021

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.606	1.679	1.652	1.643	1.617	1.629	1.617
Indirect Attainment	0.399	0.403	0.402	0.401	0.401	0.402	0.403
Total	2.005	2.081	2.054	2.044	2.017	2.031	2.020





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BA MALAYALAM
Semester	V
Course Code	CO5CRT15
Course Name	ENVIRONMENT MANAGEMENT AND HUMAN RIGHTS
Credit	4
Hours	90
Name of the Faculty	Ms PRIYA M R

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.100
CO2	2.400
CO3	1.933
CO4	2.167

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	2	3	2	3	3	3
PO attainment	2.223	2.254	2.198	2.221	2.230	2.239	2.230

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.778	1.803	1.758	1.776	1.784	1.791	1.784
Indirect Attainment	0.468	0.468	0.466	0.464	0.469	0.467	0.469
Total	2.246	2.271	2.224	2.240	2.253	2.258	2.253





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com FINANCE AND TAXATION MODEL II
Semester	V
Course Code	CO5CRT16
Course Name	FINANCIAL MANAGEMENT
Credit	3
Hours	72
Name of the Faculty	Ms THEERTHA JOY

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.071
CO2	2.100
CO3	2.029
CO4	2.100

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	3	3	2	3	3	3
PO attainment	2.042	2.057	2.055	2.052	2.054	2.052	2.054

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.634	1.646	1.644	1.641	1.643	1.642	1.643
Indirect Attainment	0.435	0.432	0.427	0.432	0.434	0.431	0.430
Total	2.069	2.078	2.071	2.073	2.077	2.072	2.073





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com FINANCE AND TAXATION MODEL I
Semester	III
Course Code	CO3CRT10
Course Name	FINANCIAL MARKETS AND OPERATIONS
Credit	3
Hours	72
Name of the Faculty	MS NISHA T X

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.059
CO2	2.324
CO3	2.176
CO4	2.471

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	2	2	3	2	3
CO4	2	2	3	1	3	3	3
PO attainment	2.305	2.299	2.312	2.275	2.316	2.326	2.316

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.844	1.839	1.849	1.820	1.853	1.861	1.853
Indirect Attainment	0.454	0.453	0.456	0.458	0.453	0.456	0.454
Total	2.298	2.293	2.306	2.278	2.306	2.316	2.307





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	B.Com OFFICE MANAGEMENT AND SECRETRIAL PRACTICE MODEL III
Semester	V
Course Code	MM5CRT05
Course Name	MATHEMATICAL ANALYSIS
Credit	4
Hours	108
Name of the Faculty	Dr. NEELIMA C A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.313
CO2	2.125
CO3	2.125
CO4	2.094

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	3	2	2	2
CO2	2	2	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	2	3	2	3	3	3
PO attainment	2.107	2.135	2.131	2.135	2.107	2.105	2.107

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.686	1.708	1.705	1.708	1.686	1.684	1.686
Indirect Attainment	0.445	0.445	0.445	0.447	0.445	0.445	0.443
Total	2.131	2.153	2.150	2.154	2.131	2.129	2.129





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	BSc MATHEMATICS
Semester	V
Course Code	MM5CRT05
Course Name	MATHEMATICAL ANALYSIS
Credit	4
Hours	108
Name of the Faculty	Mr. AJAN K A

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.313
CO2	2.125
CO3	2.125
CO4	2.094

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	3	3	3	3	3	3
PO attainment	2.106	2.131	2.131	2.132	2.107	2.105	2.107

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related



Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.685	1.705	1.705	1.705	1.686	1.684	1.686
Indirect Attainment	0.445	0.445	0.445	0.447	0.445	0.445	0.443
Total	2.130	2.150	2.150	2.152	2.131	2.129	2.129





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc MATHEMATICS
Semester	I
Course Code	ME010105
Course Name	GRAPH THEORY
Credit	4
Hours	90
Name of the Faculty	Ms NINU S LAL

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.091
CO2	2.091
CO3	1.909
CO4	2.364

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	3	3	2	3	3	3
PO attainment	2.217	2.305	2.256	2.245	2.244	2.279	2.244

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.773	1.844	1.805	1.796	1.795	1.823	1.795
Indirect Attainment	0.432	0.451	0.435	0.439	0.437	0.440	0.442
Total	2.205	2.296	2.239	2.234	2.233	2.264	2.237





# S.N.M. COLLEGE MALIANKARA

MOOTHAKUNNAM ERNAKULAM KERALA INDA

AFFILIATED TO MAHATMA GANDHI UNIVERSITY KOTTAYAM

Year	2022 - 23
Program	MSc MATHEMATICS
Semester	III
Course Code	ME010301
Course Name	ADVANCED COMPLEX ANALYSIS
Credit	4
Hours	90
Name of the Faculty	Ms NINU S LAL

Grading Scale	
Marks Secured	Score
> 75 %	3
50 – 75 %	2
35 – 50 %	1
Below 35 %	0

CO ATTAINMENT	
CO1	2.222
CO2	2.000
CO3	2.333
CO4	2.333

CO-PO MATRIX							
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	1	3	3	2	2	2
CO2	2	3	2	2	3	2	3
CO3	3	1	3	2	3	2	3
CO4	2	3	3	2	3	3	3
PO attainment	2.154	2.094	2.146	2.137	2.139	2.135	2.139

3 - Strongly related, 2 - Moderately related, 1 - Related, 0 - Not related

Attainment	0.8 X Direct +0.2 X Indirect						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	1.723	1.675	1.717	1.709	1.711	1.708	1.711
Indirect Attainment	0.371	0.392	0.396	0.388	0.381	0.385	0.383
Total	2.094	2.067	2.113	2.097	2.092	2.093	2.094

