CURRICULUM FOR 1ST & 2ND SEMESTER

of

Post-Graduate Programme in Rural Economics & Co-operative Management (RECM)

In Conformity with the Provision of NEP 2020

&

UGC Curriculum and Credit Frame Work (CCF)

Prepared by

University Department of Rural Economics & Co-operative Management

Tilka Manjhi Bhagalpur University

Bhagalpur - 812007

JUNE, 2026

24/7/26

(Kalpana Srivastava)

Officer-On-Special Duty (Judl.)

COURSE OF STUDIES	
RURAL ECONOMICS AND CO-OPERATIVE MANAGEMNET	
Programme Level	Master of Arts (MA)
Subject/Discipline	Rural Economics & Co-operative Management
Faculty	Social Sciences
University	Universities of Bihar Established under the BSU Act, 1976/PU Act, 1976
Duration	Two Years/Four Semesters
NHEQF Level	Level 6.5
Effective From	2026-27 onwards

A PART- A: PROGRAMME OVERVIEW & OBJECTIVES

A. 1 Graduate Attributes (GAS)

The programme nurtures the following Graduate Attributes in alignment with the National Higher Education Qualifications Framework (NHEQF) Level 6.5:

* Disciplinary expertise and interdisciplinary awareness.
* Analytical reasoning and evidence-based judgment.
* Independent research and inquiry orientation.
* Digital and information literacy.
* Effective communication and collaborative skills.
* Ethical conduct ad responsible citizenship.
* Global awareness and cross-cultural competence.

A.2: Programme Outcomes (POs)

The educational objective of the programmes describes the career and professional accomplishments that graduates are expected to attain within three to five years of its duration. The expected outcomes are outlined, as hereunder:

PO1: The first and foremost long term professional goal of subject i.e, Rural Economics & Co-operative Management is to provide professional and technical expertise to drive innovative ideas and to solve the problems prevailing in the society in general and rural in particular.

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PO2: The second important long term goal is to deepen the knowledge and skills for solving the common problems and achieve shared development goals, rather than acting as independent or competing entities. In nutshell, fostering the growth of co-operative movement and provide shared responsibilities for the welfare of marking.

PO3: The third and important long term goal for studying Rural Economics & Co-operative Management will be helping the professionals/functionaries in eradication of poverty, hunger, malnutrition and other rural evils in a collaborative or co-operative way.

PO4: The last but not the least, long term professional goal of this prepare programme is to prepare the students sensible for better or real understanding of the rural issues and get them solved following the ethical values meant for a noble citizen.

A.3: Programme Specific Outcomes (PSOs)

Upon successful completion of this programme, a student will be able to demonstrate following specific outcomes:

PSO1: **Disciplinary Knowledge:** This refers to knowledge acquired in specialized theories, concepts, methodologies and practices uniquely designed for a specific academic or professional field.

PSO2: **Critical thinking and Analysis:** Studying rural economics necessitates critical thinking and analytical skills for traditional development models and shifts focus toward resilient and society based solutions.

PSO3: **Research Competence:** Allow and individual to systematically investigate the problems by way of evaluating gathered information for generating reliable insights.

PSO4: **Communication Skills:** Enhance the abilities used to exchange information, ideas, concepts, and thoughts etc. for the welfare of mankind.

PSO5: **Ethics and Social Responsibility:** Capable to undertake research in participatory as well as non-participatory modes in fulfillment of social values, ethics and responsibilities

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B PART- B: COURSE STRUCTURE (CBCS/NHEQF FRAMEWORK)

PART – B: B.1: Semester-wise Course Structure

The following table presents the full four semester course structure column headings L=Lectures per week, T=Tutorials per week, P=Practicals per week, CC = Core Course, DSE = Discipline Specific Elective, GE/OE = Generic/Open Elective, SEC = Skill Enhancement Course, PROJ = Project/Dissertation

SN	Paper Code	Title of the Course Paper	L	T	P	Credits	Max. Marks	Type
		SEMESTER - I						
1.	MARECM-CC-101	Principles of Micro Economics	3	1	0	4	100	CC
2.	MARCEM-CC-102	Principles of Macro Economics	3	1	0	4	100	CC
3.	MARECM-CC-103	Fundamental of Rural Economics	3	1	0	4	100	CC
4.	MARECM-CC-104	Co-operation Theory & Practices	3	1	0	4	100	CC
5.	MARECM-GE-CC-105	Generic Elective-I (One course to be chosen from the basket - I)	3	1	0	4	100	GE
6.	---	VAC/AEC/SEC	2	0	0	2	100	VAC/ AEC/ SEC
		Total --- Semester - I	17	5	0	22	600	---

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SN	Paper Code	Title of the Course Paper	L	T	P	Credits	Max. Marks	Type
SEMESTER - II								
1.	MARECM-CC-201	Rural Development	3	1	0	4	100	CC
2.	MARECM-CC-202	Indian Agricultural Economics	3	1	0	4	100	CC
3.	MARECM-CC-203	Principle of Co-operative Management	3	1	0	4	100	CC
4.	MARECM-CC-204	Agricultural Policy, Market & Entrepreneurship	3	1	0	4	100	CC
5.	MARECM-GE-205	Generic Elective-II (One course to be chosen from the basket – II)	3	1	0	4	100	GE
6.	---	VAC/AEC/SEC	2	0	0	2	100	--
		Total Semester – II	17	5	0	22	600	---

Particulars	Semester	Course Code	Course Title
Basket – I	I	MARECM-GE105	Analytics in Rural Economics & Co-operative System
	I	MARECM-GE106	Agricultural Economics
Basket – II	II	MARECM-GE205	Natural Resources Management
	II	MARECM-GE206	Principles and Practices of Co-operation

C PART C— COURSES OF STUDIES

C.1 Paper Identification

PAPER PROFILE	
Paper Code	MARECM-CC101
Title of the Paper	Core Course: Principles of Micro Economics
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester I
Nature of Course	Core Course (CC)
L – T – P	3 – 1 – 0
Credits	4
Maximum Marks	100 (ESE:70+Internal Assessment: 30)
Duration of Examination	3 Hours

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C.2 Marks Distribution

Component	Paper I	Practical	IA	Total (ESE+IA/ESE+PRAC)
End Semester Examination	70	—	—	70
Internal Assessment	—	—	30	30
Maximum Marks	**70**	—	**30**	**100**
Passing Marks	**32**	—	**13**	**45 (45%)**

Note: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars, assignments, and viva voce as provided in the regulation.

C.3 Course Objectives (COBs)

Course Objectives
The Course is Intended to study about the basic theoretical foundation of the Micro-economics. The Concepts Theories and diagrammatical representations are the most important tool aid the student to understand and analyze. It intends to provide model in the Demand theory, Consumer's Surplus, theory of production and cost. It provides a basic understanding of price determination under different types of market structure. This Course will also expose the students to the theory of general equilibrium and welfare economics.

C.4 Course Learning Outcomes (CLOs)

Course Learning Outcome
This course develops the basic idea of fundamentals of Micro-economics and market mechanism. It enhances the ability of students to discuss economic concepts in an articulate manner in a classroom. It develops the reasoning ability of the students to understand the production and cost condition. It also compare different market structures and welfare implication.

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C.5 Syllabus—Unit-wise Breakdown

Course Name: PRINCIPLES OF MICRO ECONOMICS (MARECM-CC101)		
Unit	**Content**	**Suggested Lectures hours**
I	Nature, Scope and Significance of Economics, Definition of Micro Economics and Macro Economics, Micro Economics Vs Macro Economics, The Economic Problems: Scarcity and Choice, Production Possibility Curve, Choice and Opportunity.	12–15
II	Demand and Law of Demand, Marshall's Cardinal Utility Analysis, Indifference Curve Analysis, Elasticity of Demand: Meaning and Concept, Consumer's Surplus: Meaning and Concept.	12–15
III	Theory of Production and Cost, Theory of Distribution: Theory of Rent, Wage, Interest, and Profit.	12–15
IV	Perfect Competition: Short run & long run Equilibrium of the Firm and Industry Monopoly: Short run & long run Equilibrium, Price Discrimination, Monopoly Control and Regulations Monopolistic Competition: General and Chamberlin Approach to Equilibrium, Selling Costs and Oligopoly Market.	12–15
V	General Equilibrium Theory, Welfare Economics and Pareto-Optimality, Compensation principle and Other Welfare Criteria, Social Welfare functions and Social Choice Theory.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

C.6 Prescribed Text Books

1. Ahuja, H.L. (Latest Addition), Advanced Economic Theory, Sultan Chand and Company, New Delhi (Hindi and English Versions).
2. Misra and Puri. (Latest Addition), Advanced Economic Theory, Himalaya Publishing Company, Bombay (Hindi and English Versions).
3. Barla, C.S. (Latest Addition), Advanced Micro Economics, National Publishing House, Jaipur, New Delhi (Hindi and English Versions).
4. Jhingan, M.L. (Latest Addition), Advance Economic Theory, Vrinda Publication, New Delhi (Hindi and English Versions).
5. Koutsoyiannis, A. (1979), Modern Microeconomics, (2nd Edition), Macmillan Press, London.
6. Mankiw, G. (2010), Principles of Microeconomics, 6th ed., South-Western College Publication, USA.
7. Salvatore D. (2006), Microeconomics-Theory and Applications, Oxford University Press.
8. Salvatore D, (2002) Theory and Problems of Microeconomic Theory, Schaum's Outline Series, McGraw-Hill Book Company, Singapore.

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Reference Books & Readings

1. Kreps, David M. (1990), A Course in Microeconomic Theory, Princeton University Press, Princeton Varian, H. (2003), Intermediate Microeconomics, East-West Press.
2. Karl E. Case and Ray C. Fair, (2007), Principles of Economics, 8th Ed). Pearson Education Inc.
3. Varian, H. (2000), Microeconomic Analysis, W.W. Norton, New York.

C.7 Suggested E-Resources/Digital Repositories.

- E-pgpathashala modules:-www.inflibnet.ac.in
- E-resources www.ignou.ac.in
- www.sawayam.gov.in

C.8 Assessment Pattern & Question Paper Design

The End-Semester shall be conducted as per the following question paper design:

- Section A: Objective Answer Questions(10×2 marks=20 marks)—Covering all units (mandatory)
- Section B: Medium Answer Questions (4 ×5 marks = 20 marks) — Attempt any 4 out of 6
- Section C: Long Answer / Essay Questions (3 ×10 marks = 30 marks)—Attempt 3 out of 5.

Internal Assessment (30marks) breakdown:

- Written Test (s): 20 marks
- Seminar/Assignment/Project: 05marks
- Attendance & Class Participation: 05 marks

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PART C— COURSES OF STUDIES

C.1 Paper Identification

PAPER PROFILE	
Paper Code	MARECM-CC102
Title of the Paper	Core Course: Principles of Macro Economics
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester I
Nature of Course	Core Course (CC)
L – T – P	3 – 1 – 0
Credits	4
Maximum Marks	100 (ESE:70+Internal Assessment: 30)
Duration of Examination	3 Hours

C.2 Marks Distribution

Component	Paper I	Practical	IA	Total (ESE+IA/ESE+PRAC)
End Semester Examination	70	—	—	70
Internal Assessment	—	—	30	30
Maximum Marks	**70**	—	**30**	**100**
Passing Marks	**32**	—	**13**	**45 (45%)**

Note: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars, assignments, and viva voce as provided in the regulation.

C.3 Course Objectives (COBs)

Course Objectives
The objective of this paper is to provide the basic knowledge of Macro-economic concepts. Macroeconomics deals with broad economic aggregates such as national income; the overall level of prices, employment and unemployment; and the money supply. Topics covered include the theories of Classical and New Keynesian economics, investment function, trade cycles, and causes of inflation. This Course will also focus the fiscal policy, meaning and measurement of national income.

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C.4 Course Learning Outcomes (CLOs)

Course Learning Outcome
This course enables students to understand the basic concepts and principles of Macro Economic aggregates like national income, employment. Students will be able to know the basic proposition and theories associated with the Classical and Keynesian economics. The learners can enhance their understanding on the concepts like national income and social accounting, consumption expenditure and investment analysis. Students acquire knowledge on issues like inflation, deflation and trade cycle.

C.5 Syllabus—Unit-wise Breakdown

Course Name: PRINCIPLES OF MACRO ECONOMICS (MARECM-CC102)		
Unit	**Content**	**Suggested Lectures hours**
I	Concepts, measurement and problem in measurement of National Income. Circular flow of Income in two, three and four sector Economy, Different forms of National Income, Fiscal and Monetary Policy.	12–15
II	Say's law of market, Classical theory of income and employment determination, Keynesian theory of income and employment determination, Principle of effective demand: Aggregate demand and aggregate supply.	12–15
III	Consumption and investment function; Keynes psychological law of consumption and implications, Short and long run consumption function, Components of investment, Theory of multiplier and acceleration.	12–15
IV	Inflation, deflation, and stagflation: meaning and concept, Demand pull and cost push inflation, Inflationary gap, Causes, effect and control of inflation, Fiscal and monetary policy.	12–15
V	Theory of trade cycle: Hawtrey, Hicks, and Schumpeter, Balance of Payment, Foreign Exchange Rate determination.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

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C.6 Prescribed Text Books

1. Ahuja, H.L. (Latest Addition) Ackley, G. (1978) – Macroeconomics: Theory and Policy, McMillan, New York.

2. Branson, W.A. (1989) Macroeconomic Theory and Policy, (3rd Edition) Harper and Row, New Delhi.
3. Dornbusch, Fischer, Startz-Macroeconomics, The Mcgraw Hill Company Ltd., New York.
4. H.L. Ahuja –Advanced Macro Economic Theory, S Chand and Co. New Delhi (Hindi and English Versions).
5. Shapiro, E. (1996) – Macroeconomic Analysis, Galgotia Publications, New Delhi.
6. M.L. Jhingan- Macro Economic Theory, Vrinda Publication, New Delhi
7. Romar, D. L. (1996) – Advanced Macroeconomics, McGraw Hill Company Ltd., New York.
8. Mithani, D.M. – Macroeconomics, Himalaya Publishing Company, New Delhi.
9. Mankiw.G. – Macroeconomics, Worth publishers, Newyork.
10. Jhingan, M.L. (Latest Addition), Macro Economic Theory, Vrinda Publication, New Delhi (Hindi and English Versions).

Reference Books & Readings

1. Bernhard Felderer and Stefan Homburg, "Macroeconomics and New Macroeconomics", 1992, Springer Verlag.
2. Brian Snowdon and Howard R.Vane, Modern Macroeconomics-Its origins, Development and Current State. Edward Elgar Publishing.
3. Patinkin, D. (1965) – Money, Interest and Prices. Haper and Row, New York.
4. Culbertson, J. M. (1968) – Macroeconomic Theory and Stabilization Policy, McGraw Hill, Kogenkoshi, Tokyo.
4. Friedman, M. (1957) – The Theory of Consumption Function, Princeton University Press, Princeton.
5. Duesenberry, J. S. (1949) – Income saving and the Theory of Consumer Behaviour, Harvard University Press, Harvard.
7. Hicks, J. R. (1974) – The Crisis in Keynesian Economics, Oxford University Press, New Delhi.
8. Keynes, J. M. (1936) – The General Theory of Employment, Interest and Money, Macmillan, London
9. Rosalind Levacic and Alexander Rebman "Macroeconomics" 1982, Mc. Millan

C.7 Suggested E-Resources/Digital Repositories.

- E-pgpathashala modules:-www.inflibnet.ac.in
- E-resources www.ignou.ac.in
- www.sawayam.gov.in

C.8 Assessment Pattern &Question Paper Design

The End-Semester shall be conducted as per the following question paper design:

- Section A: Objective Answer Questions(10×2 marks=20 marks)—Covering all units (mandatory)
- Section B: Medium Answer Questions (4 ×5 marks = 20 marks) — Attempt any 4 out of 6
- Section C: Long Answer / Essay Questions (3 ×10 marks = 30 marks)—Attempt 3 out of 5.

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Internal Assessment (30marks) breakdown:

- Written Test (s): 20 marks
- Seminar/Assignment/Project: 05marks
- Attendance & Class Participation: 05 marks

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C.1 Paper Identification

PAPER PROFILE	
Paper Code	MARECM-CC103
Title of the Paper	Core Course: Fundamental of Rural Economics
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester I
Nature of Course	Core Course (CC)
L – T – P	3 – 1 – 0
Credits	4
Maximum Marks	100 (ESE:70+Internal Assessment: 30)
Duration of Examination	3 Hours

C.2 Marks Distribution

Component	Paper I	Practical	IA	Total (ESE+IA/ESE+PRAC)
End Semester Examination	70	—	—	70
Internal Assessment	—	—	30	30
Maximum Marks	**70**	**—**	**30**	**100**
Passing Marks	**32**	**—**	**13**	**45 (45%)**

Note: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars, assignments, and viva voce as provided in the regulation.

C.3 Course Objectives (COBs)

Course Objectives
The core objective of this paper is to develop adequate theoretical understanding among students regarding rural economic structure and its functioning, its dynamics, problem areas and possible alternatives. This paper explains the quality of life of the rural population, to give the knowledge about the agriculture system, land reforms, food security, labour force and demography. This paper holds significant potential for employment opportunities, eradicating poverty and achieving social justice.

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C.4 Course Learning Outcomes (CLOs)

Course Learning Outcome
This course enables students to understand the basic concepts of rural economics and Identify the problems and prospects of agricultural economy as well as rural industrialization. This paper will identify various challenges such as unemployment, poverty, migration, land reforms and suggest various measures for rural development.

C.5 Syllabus—Unit-wise Breakdown

Course Name: FUNDAMENTAL OF RURAL ECONOMICS (MARECM-CC103)		
Unit	**Content**	**Suggested Lectures hours**
I	Rural economics: concept. Scope, basic element, objectives and importance of rural economics, Rural-urban linkages, Role of agriculture and allied sector: Challenges and opportunities.	12–15
II	Rural Resources: Nature, Types and Meaning - Rural Resources Management and Development - Application of Technology in Rural Development- Problems and Prospects: W.W. Rostow's, Lewis, Fei-Ranis and Gandhian Approach to Rural Development.	12–15
III	Institutional land reforms: objectives, legislations and measures, and performance, Abolition of intermediaries, fragmentation of land and consolidation of land holdings. Need adoption and impact of Green Revolution and Eastern India in Particular.	12–15
IV	Rural labour force: Characteristics and composition, Wages rates their concepts, legislation and trend, Small and marginal farming, Problems of agricultural labour, and landless labour.	12–15
V	Diversification of rural economy, Rural industrialization: status, opportunities, and challenges, Rural and unemployment: meaning, causes, and consequences, Demography and development.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

C.6 Prescribed Text Books

1. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai.
2. Dutt and Sundaram- Indian Economy, S.Chand Publications, New Delhi,
3. Katar Singh (1999), "Rural Development - principles policies and Management" Sage Publications, New Delhi.
4. I. Satyasundaram (1999) "Rural Development" Himalaya Publishing House, New Delhi.

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5. Bhalla. G. S. (1994) "Economic Liberalization and Indian Agriculture" (Ed) Institute for Studies in Industrial Development, New Delhi.
6. NABARD (1999) "Review of working of Regional Rural Banks", Mumbai.
7. Ministry of Rural area and Employment "Programs for Change" GoI, New Delhi.
8. M.D. Dantwala Dillema of Growth, Sage, 1997.
9. V.M.Dandekar Poverty and unemployment - Vol. II, Sage, 1996.
10. C.H.H.Rao Poverty Alleviation and Liberlization, Sage, 1995.
11. Ministry of Lavour Rural Labour commission Report, New Delhi, 1990
12. Planning Commision Lakdawala committee Report on poverty Measurement, New Delhi.

Reference Books & Readings

1. John Mellor and Gunvant Desai (1986) "Agricultural Change and Rural Poverty", Oxford University Press, Bombay.
2. C.H.H.Rao Agricultural Growth, Rural Poverty and Environmental Degradation, Oxford, 1984.

C.7 Suggested E-Resources/Digital Repositories.

- E-pgpathashala modules:-www.inflibnet.ac.in
- E-resources www.ignou.ac.in
- www.sawayam.gov.in

C.8 Assessment Pattern & Question Paper Design

The End-Semester shall be conducted as per the following question paper design:

- Section A: Objective Answer Questions(10×2 marks=20 marks)—Covering all units (mandatory)
- Section B: Medium Answer Questions (4 ×5 marks = 20 marks) — Attempt any 4 out of 6
- Section C: Long Answer / Essay Questions (3 ×10 marks = 30 marks)—Attempt 3 out of 5.

Internal Assessment (30 marks) breakdown:

- Written Test (s): 20 marks
- Seminar/Assignment/Project: 05marks
- Attendance & Class Participation: 05 marks

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Part C: Courses of Studies

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-CC 104
Title of the Paper	Core Course – Co-operation Theory and Practices
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester – I
Nature of Course	Core Course (CC)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

C.2: Marks Distribution

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

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C.3: Course Objectives (COBs)

Course Objectives

In view of the economic and social importance of the co-operative movement, this course seeks to acquaint students with the theory and practice of co-operation as it developed in countries like UK, Germany, Italy and undivided USSR. It aims to cultivate the practice of self-help through mutual help, and to promote poor people and developing economics through the principles of co-operation. The course further seeks to cultivate social harmony and create democratic value among members, equipping students with a sound understanding of the co-operative movement.

C.4: Course Outcomes (COS)

Course Learning Outcome

It is hoped that the students will be able to explain the theory and practice of co-operation, trace the growth of the co-operative movement, and able to describe how it promotes poor people and developing economics through mutual help. They will be equipped to work efficiently in rural co-operative institutions and contribute to social harmony, democratic values and national development.

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C.5 Syllabus—Unit-wise Breakdown

Course Name: Course Name: Co-operation Theory & Practices (MARECM-CC104)		
Unit	**Content**	**Suggested Lectures hours**
I	Co-operation: concept and principles meaning, origin and characteristics of co-operation; need and importance of co-operation in economic development	12–15
II	Principles of co-operation as modified by the International Co-operative Alliance, type of co-operative organizations and their relevance	12–15
III	Structure of co-operative credit system, structure of rural co-operative credit, functions and bye-laws of co-operative credit societies, role of cooperative banks and NABARD in co-operative credit	12–15
IV	Co-operative Processing origin and development, Importance, problems and remedial measures.	8–10
V	Co-operative Education and training concept and significance of co-operative education and training: integrated schemes of rural credit and role of state partnership: linkage of credit with marketing and processing societies.	12–15
	Total Suggested Lectures	**60 (For 4 Credit Course)**

C.6: Book recommended

1. B. S. Mathur - Co-operative Movement in India and Abroad
2. K. R. Kulkarni - Theory and Practice of Co-operation in India
3. T. N. Hajela - Co-operative Principles, Problems and Practice
4. R. D. Bedi - Theory, History and Practice of Co-operation
5. R. B. Tyagi - Co-operation in India, Sahitya Bhawan, Agra
6. Government of India — Bharat.
7. Jhol & Kapoor --- Farm Business Management
8. देवेंद्र प्रसाद - कृषि वित्त एवं सहकारिता

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C.7: **Suggested e-resources:**

1. https://egyankosh.ac.in/bitstream/123456789/39968/1/unit-2pdf
2. https://egyankosh.ac.in/bitsteam/123456789/19643/1/unit-18pdf

C.8: Assessment Pattern & Question Paper Design

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks – 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any6 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) Breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 marks

PART C— COURSES OF STUDIES

Part C: Core Courses of Studies

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-GE 105
Title of the Paper	Generic Elective Course – Analytics in Rural Economics & Co-operative System
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester – I
Nature of Course	General Elective (GE)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

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C.2: **Marks Distribution**

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: **Course Objective (COBs)**

C.3 Course Objectives

This course aims to develop analytical understanding of rural economic systems and co-operative institutions through the use of practical data analysis, case studies, field observations, and project work. It is designed to help students in understanding rural markets, co-operative governance, socio-economic indicators, and policy issues using contemporary analytical tools relevant to research, administration, and development practice.

C.4: **Course Outcomes (Cos)**

C.4 Course Outcomes

After successful completion of the course, students will be able to: Explain the structure and functioning of rural economic systems and co-operative institutions. Apply basic analytical tools to study rural markets, institutions, and development issues. Interpret rural data, indicators, and case study findings for policy and planning purposes. Evaluate the role of co-operatives in rural development, livelihood support, and value addition. Prepare a concise analytical report, case study note, or project-based presentation on rural economics and co-operative issues.

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C.5: Syllabus Unit wise

Course Name: Analytics in Rural Economics & Co-operative System (MARECM-GE105)		
Unit	**Content**	**Suggested Lectures hours**
I	**Introduction to Rural Economics and Co-operative Systems** Meaning, scope, and significance of rural economics Basic features of rural economy: agriculture, labour and institutions, Concept and evolution of co-operative systems, Principles of cooperation: self-help, mutual help, democracy, equality, equity, and solidarity Rural economic structure and institutional linkages, Contemporary relevance of rural economic analysis, Introduction to applied analytics in rural studies	12–15
II	**Rural Markets, Data, and Analytical Approaches** Rural market structure and functioning, Market participants: producers, traders, intermediaries, co-operatives and consumers, Price formation and marketing margins in rural areas, Data sources in rural economics: primary and secondary data, Use of rural household surveys, village studies, and institutional records, Introduction to data visualization for policy and project use Case study method in rural economic analysis	12–15
III	**Co-operative Governance, Performance, and Institutional Analysis Co-operative governance and management structure** Board, members, executive body, and accountability mechanisms, Performance indicators of co-operatives, Financial analysis of co-operative institutions, Role of co-operatives in rural finance, input supply, marketing, and value addition, Case studies of successful and weak co-operatives	12–15
IV	**Applied Analytics for Rural Development** Introduction to applied analytics in rural economics, Analysis of rural income, employment, poverty, and livelihood patterns, Analysis of productivity, diversification, and market access Use of basic statistical tools for rural data interpretation, Project work on selected rural or co-operative issues.	12-15
V	**Project Work, Case Study Writing, and Policy Implications** Preparation of analytical report on a rural or co-operative issue, Structure of a case study, Problem identification and research questions, Field-based observation and documentation, Presentation of project findings, Linkage between analytical work and rural policy, Seminar/project submission.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

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C.6: Suggested Books

(1) Rao, V. M. - Rural Economics
(2) Bhatia, B. and others - Indian Rural Economy
(3) Ahuja, V. - Rural Development in India
(4) Soni, R. N. - Leading Cooperative Management
(5) Krishnaswamy, O. R. and Ranganatham, M. - Methodology of Research in Social Sciences
(6) Mishra, S. N. - Agricultural Economics and Policy
(7) Bedi, Y. P. - Cooperative Management and Administration
(8) Kothari, C. R. - Research Methodology: Methods and Techniques
(9) Gupta, S. P. - Statistical Methods
(10) Desai, A. R. - Rural Sociology in India

C.7: Recommended E-Sources

(1) NABARD - Rural credit, cooperative sector reports, FPO and livelihood materials
Website: https://www.nabard.org
(2) Ministry of Cooperation, Government of India - Cooperative policy, schemes, and institutional reports
Website: https://cooperation.gov.in
(3) Ministry of Rural Development - Rural development programmes and policy documents
Website: https://rural.nic.in
(4) FAO - Rural development, cooperative systems, and value-chain resources
Website: https://www.fao.org
(5) World Bank Open Knowledge Repository - Rural economy, institutions, and development reports
Website: https://openknowledge.worldbank.org
(6) IFPRI - Policy research on rural transformation, food systems, and institutions
Website: https://www.ifpri.org
(7) Shodhganga - Indian dissertations on rural economics and cooperatives
Website: https://shodhganga.inflibnet.ac.in
(8) ICAR / Agricultural University repositories - Research reports, case studies, and applied project work materials

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C.8: **Assessment Pattern & Question Paper Design**

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/ Assignment/ Project 05 marks
- Attendance & Class Participation 05 marks
-

C **PART C— COURSES OF STUDIES**

Part C: Courses of Studies

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-GE 106
Title of the Paper	Generic Elective Course - Agricultural Economics
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester - I
Nature of Course	Generic Elective Course (GE)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

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C.2: **Marks Distribution**

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: Course Objectives (COBs)

C.3 Course Objectives

The fundamental objective of this paper is to study the strength weaknesses opportunities and Challenges, Enabling the study about the backbone of the economy a part policy exposures.

C 4: Course Learning Outcomes (CLOs)

The outcome of the course with be extending the opportunity to understand the importance of India agriculture and its various polices relating to inputs and infrastructure.

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C.5: Syllabus Unit-wise

Course Name: Agricultural Economics (MARECM-GE106)		
Unit	**Content**	**Suggested Lectures hours**
I	Agricultural Growth in India since independence. Contribution of India Agricultural in economy Agriculture infrastructure-Road Transport, Irrigation , Power Markets , Storage etc.	12–15
II	Agricultural Price Policy and Food Security Minimum Support of Bihar, Procurement of Agricultural Produces / Commodities Public Distribution System Food Security National Food Security Missions - Act and Schemes.	12–15
III	Agricultural Inputs - Seeds, Fertilizers, Pesticides, Irrigation, Credit, Agricultural Labour.	12–15
IV	Agricultural Marketing—Meaning, Importance, Laws & Policy Marketable Surplus and Marketed Surplus Regulated Markets, Direct Marketing, Contract Farming.	12-15
V	Agricultural Financing, Capital Formation in Agriculture Agricultural Credit--- Sources Financing in Agriculture by NABARD.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

C.6: Prescribed Books

1 Fundamentals of Agricultural Economics : Dr T .Jaya Publishing House , Rajendram

2 Agricultural Economics : An Indian Perspective : R.K.Lekhi & Joginder Singh ,Kalyani Publishers , Ludhiana, Punjab

3 Agricultural Economics: S. Sabha Reddy, Raghu Ram, T.V. Neelakanta Sastry & I . Bhavani Devi

4 A Text Book of Agricultural Economics : C.B.Singh & R.K.Singh

5. Economics of Agriculture: A.A. Rane & AC Dendekar

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C.7: **Assessment Pattern & Question Paper Design**

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 mark

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SEMESTER- II

C PART C— COURSES OF STUDIES

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-CC-201
Title of the Paper	Core Course – Rural Development
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester – II
Nature of Course	Core Course (CC)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

C.2: Marks Distribution

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: Course Objectives (COBs)

Course objective
This Course aims to familiarize Students with the concept, Scope and evolution of rural development the Structure of rural economy and society and major problems of poverty unemployment and inequality. It also seeks to develop their ability to critically evaluate rural development programmes institution like Panchayati Raj and SHGS and contemporary rural issue.

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C.4: Course outcomes (Cos)

Course Learning Outcome
It is hoped that after completing this course Students will be able to explain the concept and evolution of rural development analyze rural poverty unemployment and inequality and critically evaluate major rural development programmes and institutions like Panchayati Raj and SHGs. They will also be able to access linkages between infrastructures, Sustainability, and contemporary rural issues such migration and digitalization.

C.5: Syllabus Unit wise

Course Name: Rural Development (MARECM-CC201)		
Unit	**Content**	**Suggested Lectures hours**
I	**Rural Development Concept and Theoretical Perspectives:** concept, meaning, element and determines of rural development, Rural development policies and programmes after New economic policies.	12–15
II	**Planning For Rural Development:** Five Year Plans and shift to NITI Aayog era, decentralized and planning: District planning Committees and Micro - level/ Block - level planning; Gram Sabha based planning constraints in plan implementation at the grass roots	12–15
III	**Rural Poverty, Inequality and Credit Institutions:** Concept Causes, and immurement of rural poverty; major poverty estimation committees; nature and dimension of rural inequality poverty alleviation programmes.	12–15
IV	**Decentralization and Local Governance:** Panchayati Raj System - historical back ground, power and function and role in Rural Development.	12-15
V	**Rural Employment and Development Policy Employment and Livelihood Programmes :** Like MGNREGA, NRLM, PMAY-G, PMGSY, IAY, VB-GRAM-G	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

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C.6 Prescribed Text Books

Book Recommendation

1. *Katar Singh : Rural Development : principle policies and Manage, Sage Publication, New Delhi*
2. *Vasant Desai : Rural Development (vol.I –IV) , Himalaya Publishing House*
3. *B.S. Mathus – Co- operation in India(relevant Chapter rural development theory), Sahitya Bhawan , Agra*
4. *A. N. Agarwal & S.P.Singh (ed.) The Economic of under Development*
5. *R.D Sharma and V.M.Jha : (ed) Rural Poverty Emerging issues, Need for New Strategy*
6. *Ragwendra Kr. Singh : Trends in Government expenditure poverty alleviation , Social Security Welfare Programme*
7. उत्तम चन्द्र गोयल - ग्रामीण अर्थशास्त्र।
8. उग्र मोहन झा एवं राम प्रवेश सिंह - भारतीय ग्रामीण अर्थव्यवस्था का अध्ययन एक विश्लेषण
9. कटार सिंह ---- ग्रामीण अर्थशास्त्र
10. *कटार सिंह एवं शिसोदिया ---- ग्रामीण विकास सिद्धांत नीतियां एवं विश्लेषण*

C.7: Suggested E-resources

http://www.epw.in
http:// www.niti.gov.in

C.8: Assessment Pattern & Question Paper Design

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks – 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 mark

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C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-CC202
Title of the Paper	Core Course - Indian Agricultural Economics
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester – II
Nature of Course	Core Course (CC)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

C.2: Marks Distribution

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: Course Objectives (COBs)

Course Objectives

This core paper is aimed to develop understanding of the concept of agricultural economics, production process, and consumer's behavior along with the functioning of different flagship programmes meant for agricultural development.

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C.4: Outcomes (Cos)

Course Learning Outcome

Students will be able to acquire the basics of agricultural economics and its operational importance for the development of the agricultural sector, which is the backbone of the Indian economy, besides gaining a good understanding of policies and programmes undertaken by the Government of India for overall agricultural development and farmers' welfare.

Course Name: Indian Agricultural Economics (MARECM-CC202)

Unit	Content	Suggested Lectures hours
I	Nature, scope and significance of Agricultural Economics; concept of production; production functions; returns to scale and economies of scale; cost functions and curves.	12–15
II	Consumer Behavior-cardinal and ordinal utility approach, income effect and substitution effect, applications of indifference curve approach, revealed preference theory, consumer surplus, elasticity of demand.	12–15
III	Marketing -its new role, structure, marketing infrastructure, direct marketing, contract farming, and future is trading. GATTs, WTO and impact of Indian agriculture.	12–15
IV	Agricultural Finance-concepts, principles and sources; financial institutions; cooperatives, commercial banks, regional rural banks; role of NABARD in agricultural development.	12-15
V	Flagship Schemes of Agricultural Development – RKVY, PM-KISAN, NFSM, PMFBY, SHC, AIF, e-NAM, SMAM, PKVY, MISS etc.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

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C.6: Prescribed Books

1 Fundamentals of Agricultural Economics : Dr T .Jaya Publishing House, Rajendram
2 Agricultural Economics : An Indian Perspective : R.K.Lekhi & Joginder Singh ,Kalyani Publishers , Ludhiana, Punjab
3 Agricultural Economics: S. Sabha Reddy, Raghu Ram, T.V. Neelakanta Sastry & I . Bhavani Devi
4 A Text Book of Agricultural Economics : C.B.Singh & R.K.Singh
5. Economics of Agriculture: A.A. Rane & AC Dendekar

C.8: Assessment Pattern & Question Paper Design

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks

Attendance & Class Participation 05 mark

C PART C— COURSES OF STUDIES

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-CC-203
Title of the Paper	Core Course - Principle of Co-operative Management
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester - II
Nature of Course	Core Course (CC)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

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C.2: Marks Distribution

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: Course Objectives (COBs)

Course Objectives

In view of the need and importance of the co-operative movement, this course aims to acquaint students with the concept, principles and management of co-operative organizations as modified by the International Co-operative Alliance. It seeks to develop an understanding of the administrative mechanism, regulatory framework and liability structure of co-operative societies in India and familiarize students with the integrated scheme of rural credit and the role of co-operative education and training in strengthening the co-operative movement.

C.4: Course Outcomes (Cos)

Course Learning Outcomes

After completing this course, students will be able to explain the concept, origin and principles of co-operation and describe the functions and problems of co-operative management. They will be able to analyze the administrative mechanism of co-operatives, including the role of the Registrar and the process of de-officialization of the co-operative movement.

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C.5 Syllabus Unit-wise

Unit	Content	Suggested Lectures hours
	Course Name: Principles of Co-operative Management (MARECM-CC203)	
I	Co-operation -Concept and Principles Origin, concept, meaning, need and importance of co-operation; co-operative organization; principles of co-operation and the relevance of co-operative principles in contemporary economic life. Co-operative principles: analysis and explanation.	12–15
II	Theory of Co-operative Management - Functions and Principles: Concept, functions and principles of co-operative management; problems faced in managing Co-operatives.	12–15
III	Agricultural Administration of Co-operatives Administrative Structure of Co-operatives; de-official nation of the Co-operative movement; role of the Registrar and his/her officials.	12–15
IV	Co-operative Economy and Liability, Growth of the Co-operative economy in India; liability in Co-operative societies; limited and unlimited liability.	12-15
V	Rural Credit and Co-operative Education Integrated scheme of rural credit and state partnership; linking of credit with marketing and processing societies; Co-operative training and Education.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

C.6: **Books Recommended**

1. B. S. Mathur - Co-operative Movement in India and Abroad
2. B. N. Chaubey - Principles of Co-operative Banking
3. K. R. Kulkarni - Theory and Practice of Co-operation in India
4. T. N. Hajela - Co-operative Principles, Problems and Practice
5. R. D. Bedi - Theory, History and Practice of Co-operation
6. R. B. Tyagi - Co-operation in India, Sahitya Bhawan, Agra

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C.7: Suggested E-resources

7. https://co-operation.gov.in
8. https://www.ncdc.in/content

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C.8: Assessment Pattern & Question Paper Design

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 mark

PART C— COURSES OF STUDIES

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-CC-204
Title of the Paper	Core Course- Agricultural Policy, Markets & Entrepreneurship
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester - II
Nature of Course	Core Course (CC)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

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C.2: Marks Distribution

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: Course Objectives (COBs)

Course Objectives:

This course focuses on policy approaches, market systems, and entrepreneurial pathways that enhance farm incomes and rural livelihoods. It emphasizes practical insights, policy assessment, and business planning, without requiring formal laboratory or case-study work. The course prepares students for careers in policy analysis, agribusiness management, rural entrepreneurship, and advisory services.

C.4 Course Outcomes (Cos)

Course Learning Outcomes

Upon completion students will be able to: Interpret major agricultural policies and their implications for markets and entrepreneurship. Map market systems and identify bottlenecks affecting producers and agribusinesses. Design basic entrepreneurial interventions or business plans for agribusinesses and farmer collectives. Evaluate instruments for market reform, price stability and value chain strengthening. Produce a concise policy memo or entrepreneurship plan targeted to stakeholders.

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C.5: **Syllabus-Unit wise**

Course Name: Agriculture Policy, Market & Entrepreneurship (MARECM-CC204)		
Unit	**Content**	**Suggested Lectures hours**
I	Policy Landscape and Institutional Frameworks: Constitutional/state roles in agriculture, agricultural ministry and departments, regulatory bodies, agricultural finance institutions and co-operatives.	12–15
II	Markets, Market Failure and Market Reform: Market structures, local Mandi systems, wholesale vs retail, Market information asymmetry, imperfect competition, quality and standards, market power, transaction costs, marketing reforms, contract farming, e-markets (e-NAM),	12–15
III	Value Chains, Linkages and Agribusiness Models: Value-chain concepts, functions, margins, and governance, spot markets, supermarkets and exporters, Role of producer organizations, co-operatives and agribusiness SMEs in value addition.	12–15
IV	Entrepreneurship, Finance and Risk Management: Entrepreneurship fundamentals, opportunity recognition, business models for agribusiness (processing, input services, logistics, digital platforms), MSME loans, public credit schemes and guarantees, crop insurance basics.	12-15
V	Project Planning, Policy Design and Implementation : Elements of an entrepreneurship plan or policy brief-objectives, stakeholders, implementation roadmap, monitoring indicators and sustainability. Policy evaluation basics, inputs to a policy memo (costs, expected outcomes, beneficiaries, implementation constraints).	8-10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

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C.6: Recommended books

(1) Acharya, S.S. & Agarwal, N.L., Agricultural Marketing in India (comprehensive market & policy background).
(2) K. S. J. (Ed.) — Collections on Agricultural Economics and Policy (handbook chapters for policy context).
(3) Subba Reddy, S. & Raghu Ram, P., Agricultural Economics (for practical sector overview).
(4) Swaminathan, M.S. (selected writings) — Rural development and farmer institutions.
(5) Narayanan, S. & Gulati, A. (eds.), Agrarian Studies and Policy Reform collections (for Indian policy debates).
(6) Kumar, N. & Gulati, A., Agribusiness and Value Chains (applied value-chain frameworks).
(7) World Bank / IFPRI reports: Agribusiness, Markets and Rural Entrepreneurship (selected reports and toolkits).
(8) NABARD reports and manuals on FPO promotion and rural finance (practical program guidance).
(9) Osterwalder, A. & Pigneur, Y., Business Model Generation (practical manual for designing business models).
(10) C. B. Barrett, Food Security and Markets (selected chapters/papers on market failures and interventions).

C.7 Recommended e-sources and readings

(1) Government of India — Ministry of Agriculture & Farmers Welfare: policy documents and annual reports (https://agricoop.nic.in or https://agricoop.gov.in)
(2) NABARD — Reports on rural credit, FPOs and enterprise promotion (https://nabard.org)
(3) Small Industries Development Bank of India (SIDBI) — MSME and agribusiness financing resources (https://sidbi.in)
(4) eNAM portal and documentation — National Agriculture Market (https://enam.gov.in) and related evaluation reports
(5) Food and Agriculture Organization (FAO) — Value chain and agribusiness guidance (https://www.fao.org)
(6) World Bank / IFC — Reports on agricultural markets, contract farming and agri-financing (https://www.worldbank.org, https://www.ifc.org)
(7) Selected journal articles and case studies: Journal of Agricultural Economics, Food Policy, World Development (to be compiled into a reading pack by the department)
(8) Policy briefs and working papers from Indian think-tanks: NITI Aayog, ICRIER, IFPRI India (https://www.niti.gov.in, https://www.icrier.org, https://www.ifpri.org)

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C.8: Assessment Pattern & Question Paper Design

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 marks

C PART C— COURSES OF STUDIES

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-GE-205
Title of the Paper	Generic Elective Course - Natural Resources Management
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester - II
Nature of Course	Generic Course (GE)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

C.2: Marks Distribution

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

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C.3: Course Objectives (COBs)

Course Objective
The objective of this course is to understand the basics of natural resources along with its management to check degradation, depletion and misuse etc. To explain the various issues and challenges for better management of the scarce resources and to analyses the resource management policies.

C.4 Course Outcomes (Cos)

Course Learning Outcomes
The learning outcomes of this course will be the comprehension of concepts related to natural resource management among the students. Further, the students will be able to understand the issues and challenges of land, water, forest and energy resources for sustainable resource development and governance practices. Understanding these concepts will lead to better practices in future.

C.5 Syllabus Unit-wise

Course Name: Natural Resources Management (MARECM-GE 205)		
Unit	**Content**	**Suggested Lectures hours**
I	Meaning and concepts of Natural Resources, classification of Natural Resources and approaches to Natural Resource Management.	12–15
II	Land and Soil Resources-utilization pattern, challenges and conservation practices.	12–15
III	Water and Forest Resources-utilization pattern, challenges and conservation practices.	12–15
IV	Energy Resources -availability, policy paradigm, management practices, challenges and the way forward.	12-15
V	Strategy for Natural Resources Management – strategy and practices.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

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C.6: Reference Books

1. Managing Natural Resources--- Focus on Land and Water Edited by Harikesh N. Mishra (Available Hindi & English Version).
2. Natural Resource Management and Conservation—Jaswant Singh & Girish Pandey, Kalyani Publications.
3. प्राकृतिक संसाधन प्रबंधन और सुरक्षा इंटिग्रेटेड प्रकाशन।
4. संरक्षण पर्यावरण एवं संसाधन प्रबंधन ---- ब्राइट स्काई प्रकाशन।
5. प्राकृतिक संसाधन प्रबंधन ---- हर्षवर्धन बाघ

C.8: Assessment Pattern & Question Paper Design

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) --- Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 marks

C PART C— COURSES OF STUDIES

C.1: Paper Identification

Paper Profile	
Paper Code	MARECM-GE-206
Title of the Paper	Generic Elective Course - Principle and Practice of Co-operation
Programme/Subject	MA Rural Economics & Co-operative Management
Semester	Semester - II
Nature of Course	Generic Course (GE)
L-T-P	3-1-0
Credit	4
Maximum Marks	100 (ESE 70 + Internal Assessment 30)
Duration of Examination	3 hours

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C.2: **Marks Distribution**

Component	Paper-I	Practical	IA	Total (ESE + IA/ESE + Practical
End Semester Examination	70	---	---	70
Internal Assessment	30	---	30	30
Maximum Marks	70	---	30	100
Passing Marks	32	---	13	45 (45%)

NB: Internal Assessment shall be conducted on the basis of attendance, class tests, seminars assignments and viva-voce, as provided in the regulation

C.3: **Course Objectives (COBs)**

Course Objectives:

The based objective of the course is to enable the students acquainted with the basics of Co-operation as well as the Co-operative movement in India. In addition, the course will provide an overall understanding of various reputed Co-operatives across the sectors, which are performing well for the welfare of rural people in general and farming community in particular.

C.4: **Course outcomes: (Cos)**

Course Learning Outcomes

After completion the Course the Students will be able to understand the core values of Co-operative enterprises. Besides, they will also able to Identify and know the modus operandi of Co-operative institutions, familiarize the various Committees and recommendations made on Co-operative development in India and practices of different Co-operative institutions.

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C.5: Syllabus Unit-wise

Course Name: Principle and Practice of Co-operation (MARECM-GE 206)		
Unit	**Content**	**Suggested Lectures hours**
I	Fundamentals of Co-operation: Meaning, origin, concept and significance.	12–15
II	Co-operation Movement in India: Dairy Co-operatives, fishery cooperatives, housing cooperatives, Processing- cooperatives, Weavers Co-operative etc.	12–15
III	Co-operative Development in India during Post- Independence Period, Recommendations of various Commissions and Committees for the development in Co-operation in India.	12–15
IV	Co-operative banking and Credit - Objectives, Features, Structure, Issue facing Co-operative Banking in India, Status and Development Co-operative Credit Societies, Microcredit and Microfinance.	12-15
V	Working and Performance of different reputed Co-operative institutions NAFED, AMUL, IFFCO, KRIBHCO, State level Institutions -- Bihar State Co-operative Credit Society Ltd, BISCOMAUN etc.	8–10
	Total Suggested Lectures	**60 (For 4 Credit Course)**

Books Recommended

1. T.N.Hajela : Co-operative principles problems and practice , New Delhi
2. K. R. Kulkarni : Theory and practice of Co-operative in India and Abroad (I & II) Co-operations Book Deport, Bombay
3. O.R. Krishnaswami : Indian Co-operative Movement ; A Profile, S. Chand & Co, New Delhi
4. Vasant Desai : Rural Development (Vol I &IV) (relevant Chapter on Rural Co-operative Structure), Himalaya Publishing House, New Delhi
5. R.B.Tyagi : Co-operative in India Sahitya Bhawan , Agra (covers Co-operative Marketing Structure)
6. G. H. Indule : Co-operative Banking in India

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C.7: E-resources

7. https://ncui coop
8. Https://nabard.org
9. www.Rural .nic .in
10 www.dolr gov. in
11 www.mnrc.gov.in

C.8: **Assessment Pattern & Question Paper Design**

The end semester shall be conducted as per the following question paper design:

- Section A. Objective Answer Questions (10 x 2 marks - 20 marks) ---Covering all units (mandatory)
- Section B. Medium Answer Questions (4 x 5 marks = 20) --- Attempt any 4 out of 6.
- Section C. Long Answer/Essay Questions (3 x 10 marks = 30 marks) --- Attempt 3 out of 5

Internal Assessment (30 marks) breakdown

- Written Test(s) 20 marks
- Seminar/Assignment/Project 05 marks
- Attendance & Class Participation 05 marks

Note: *Generic/Open Elective–I (Course Code) and II (Course Code) courses in Semester- I and Generic/Open Elective–III (Course Code) and IV (Course Code) courses in Semester- II of 2 Year Postgraduate Programme may be offered by an institution based on student demand, academic interest, and the availability of qualified faculty members. These courses shall be open to students of the concerned discipline as well as students from other disciplines, with the objective of promoting multidisciplinary and interdisciplinary learning in accordance with the principles of the National Education Policy (NEP), 2020.*

For fulfilment of the programme requirements, a student shall be required to successfully complete any one of the Generic Elective courses offered during the semester. The institution may decide to offer either or both of the Generic Elective courses, subject to academic feasibility, availability of faculty expertise, and student enrolment.

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D

PART D — GENERAL REGULATIONS & PROVISIONS

D.1 Attendance & Eligibility

- A student must have a minimum of 75% attendance in each paper to be eligible to appear in the Semester / Annual Examination.
- Condonation of attendance deficiency shall be governed by the Regulation..
- A student detained due to shortage of attendance may appear to the examinations of same semester in the next academic session subject to payment of prescribed fees.

D.2 Examination & Promotion Rules

- A student is required to clear **at least** 60% (4 out of 6) papers of a particular Semester before being promoted to the succeeding Semester.
- Back / Ex-Student candidates shall be governed by the rules in force at the time of their original admission unless otherwise specifically notified.
- A candidate who fails in one or more papers shall be required to appear only in the failed paper(s) (Carry Forward System) in subsequent examinations of the same Semester.
- A candidate is required to clear all his papers within a maximum of **Five Years of duration** to qualify for the degree.

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D.3 Grading System (CBCS)

Letter Grade	% Range	Grade Point	Performance Description	Remarks
O	≥90-100	10	Outstanding	Pass
A+	≥80<90	9	Excellent	Pass
A	≥70<80	8	Very Good	Pass
B+	≥60<70	7	Good	Pass
B	≥55<60	6	Above Average	Pass
C	≥50<55	5	Average	Pass
P	≥45<50	4	Pass	Pass
F	<45	0	Fail	Fail
Ab/M	0	0	Absent/Malpractice	Fail / Reappear

E PART E — ABBREVIATIONS & AUTHENTICATION

E.1 List of Abbreviations

Abbr.	Expansion	Abbr.	Expansion
CC	Core Course	**DSE**	Discipline Specific Elective
GE	Generic Elective	**OE**	Open Elective
AEC	Ability Enhancement Course	**VAC**	Value Added Course
SEC	Skill Enhancement Course	**IKS**	Indian Knowledge System
L	Lecture (hours per week)	**T**	Tutorial (hours per week)
P	Practical (hours per week)	**IA**	Internal Assessment
CCA	Continuous & Comprehensive Assess.	**CLO**	Course Learning Outcome
PLO	Programme Learning Outcome	**GA**	Graduate Attribute
NHEQF	National HE Qualifications Framework	**PROJ**	Project / Dissertation

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E.2 Authentication

Subject Expert-1

Prof. (Dr) Kumari Sudama Yadav,

Professor & Head,

University Department of Rural Economics & Co-operative Management (RECM)

T. M. Bhagalpur University, Bhagalpur

Date: 26/06/2026

Subject Expert-2

Dr. Santosh Kumar,

Assistant Professor,

University Department of Rural Economics & Co-operative Management (RECM)

T. M. Bhagalpur University, Bhagalpur

Date: 26/06/2026

Subject Expert-3

Dr. Rajkamal Anand)

Assistant Professor

University Department of Rural Economics & Co-operative Management (RECM)

T. M. Bhagalpur University, Bhagalpur

Date: 26/06/2026

Subject Expert- 4

Dr. Ashwajeet Rathor)

Assistant Professor

University Department of Rural Economics & Co-operative Management (RECM)

T. M. Bhagalpur University, Bhagalpur

Date: 26/06/2026

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