

To,

The Principal Secretary,
Raj Bhavan, Bihar,
Patna


Sub:-Regarding submission of proposed course uniform syllabus of Rural Economics & Co-operative Management for 3rd to 8th Semester of 4 - Year undergraduate Course, (CBSC)

Reference:- Letter No.-BSU (UGC) -02/2023- 1457/ GS(I) dated 14.09.2023

Sir,

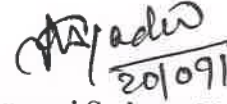
In compliance with your letter no. BSU(UGC)- 02/2023-1457/ GS(I) dated-14.09.2023 followed by above mentioned letter no, we are submitting the proposed course syllabus of **Rural Economics & Co-operative Management** for 3rd to 8th semester of the 4 - year under graduate course (CBCS) as per UGC regulations.

Yours sincerely


22/9/22

Dr. Sudarshan Kumar Singh
Associate Professor & Head
Dept. of R-Economics & Co-Operative Management
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University Professor & Former Head
Dept. of R-Economics & Co-Operative Management
TMBU, Bhagalpur


20/09/2023

Prof. Kumari Sudama Yadav
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TMBU, Bhagalpur

Enclosed -as above

Syllabus
For
Bachelor of Social Science
In
Rural Economics & Co-operative Management
Under
Choice Based Credit System (CBCS)
(2023-24 ONWARDS)
Of
NEW EDUCATION POLICY, 2020

Rural Economics & Co-operative Management (A) Major Core Courses

SI. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MJC-1	Principles of Economics	6	100
2.	II	MJC-2	Rural Economics	6	100
3.	III	MJC-3	Agriculture Economics	5	100
4.	III	MJC-4	Rural Development	4	100
5.	IV	MJC-5	Co-operation : Theory & Planning	5	100
6.	IV	MJC-6	Indian Economy	5	100
7.	IV	MJC-7	Rural Management & Planning	5	100
8.	V	MJC-8	Co-operative Management	5	100
9.	V	MJC-9	Rural Resources & Technological Management	5	100
10.	VI	MJC-10	Statistics	4	100
11.	VI	MJC-11	Environment & Agriculture	5	100
12.	VI	MJC-12	Rural Finance & Services	5	100
13.	VII	MJC-13	Advanced Horticulture	5	100
14.	VII	MJC-14	Research Methodology	5	100
15.	VII	MJC-15	Panchayati Raj & Human Development	6	100
16.	VIII	MJC-16	Water Management	4	100

(A) Minor Courses to be offered by the Department for Students of other Departments Rural Economics & Co-operative Management

SI. No.	Sem	Type of Course	Name of Course	Credits	Marks
1.	I	MIC-1	Foundation of Agriculture Farm	3	100
2.	II	MIC-2	Introduction of Agriculture Economics	3	100
3.	III	MIC-3	Rural Development	3	100
4.	IV	MIC-4	Co-operation : Theory & Practice	3	100
5.	V	MIC-5	Environment & Rural Development	3	100
6.	V	MIC-6	Commercial Agriculture	3	100
7.	VI	MIC-7	Rural Health and Nutrition	3	100
8.	VI	MIC-8	Integrated Farming System	3	100
9.	VII	MIC-9	Rural Credit System	4	100
10.	VIII	MIC-10	Rural and Tribal Development Management	4	100

Note:- The Department may reduce the syllabus of the Minor Courses as per the credit distribution. The Department Concerned may also decide practical courses.

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AGRICULTURE ECONOMICS
SEMESTER - III

PAPER	:	MJC-3	Full Marks	: 100
TITLE OF THE PAPER :		AGRICULTURE ECONOMICS	ESE	: 70 -
CREDIT	:	5	CIA	: 30

Course of Objective:-

The Major objective to make the students appointed with produce facing Indian Agriculture and possible impact of the world Agriculture development and Indian Agriculture.

Out Comes:-

To Produce Competent main power to meet the challenges facing Indian Agriculture to make changes various aspect of Indian Agriculture in Accordance with changes taking place in world Agriculture.

MJC 3 - AGRICULTURE ECONOMICS		
Unit	Topics to be Covered-	No. of Lectures
1	Agriculture and Economic Development - Definition and Scope of Agriculture Economics - Agriculture in a growing Economy, interdependence between agriculture and industry - Farming System	10
2	Factors affecting agriculture growth and productivity - size of holding - Land Reforms - supply of inputs, Irrigation, power & Seed, Agricultural prices policy in India - Crop Insurance	10
3	Agriculture Production in India - Features; Farm Size and Productivity relationship, Extent of Employment and Unemployment in Agriculture, Agriculture Wage - Women in Agriculture Role of Agriculture in Economic Development.	10
4	Agriculture Credit and Agricultural Marketing Definition and Scope, Type of Agricultural markets - Co- operative marketing NABARD Co-operatives, Regional Rural Bank,	10
5	Modernization and diversiation of sending Agriculture development their Sing notificance, Agriculture development, Impact on economic liberalization on economics development.	10
Total		50

Book Recommended:

1. Grau L.C - Intriduction to Agriculture Economics
2. Hibbard, B.H. - Agriculture Economics
3. Froster and Leoger - Elements of Agriculture Economics
4. R.L. Cohen - The Economics of Agriculture
5. O.S. Shrivastava - Theories and Policy issues of Agriculture Economics
6. Nanwati and Anjaria - Indian Rural Problems
7. G.O.I - Five Year Plan, Relevant Chapters on Agriculture-irrigation land reforms etc
8. Memoria, C.B., Agriculture Problems in India
9. Bhattacharya Jha.p. - Studies in Indian Agriculture Economics
10. एम० ए० भालेराव- भारतीय ग्रामीण अर्थशास्त्र
11. डॉ० वीरेन्द्र प्रताप सिंह - कृषि अर्थशास्त्र
12. पी०के० गुप्ता- कृषि अर्थशास्त्र

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Rural Development
SEMESTER-III

Paper Code-MJC 4

Credits-4

Paper	:	MJC 4	Full Marks	: 100
Title of the Paper	:	Rural Development	ESE	: 70
Credit	:	4	CIA	: 30

Objects- The objectives of this paper is to provide deep knowledge of various aspects of Indian villages to students. It also aims to ameliorate the evils present in rural social institutions such as religion, caste system and attitude to world development.

Outcome- In depth study of the efficient persons to make appropriate policy and execute programme for rural development.

MJC-4 : Rural Development (Credit: 4)		
Unit	Topics to be covered	No. of Lectures
1	Growth and development-meaning nature and Scope- factors affecting Rural Growth-Economic Development Definition Characteristics and Measurement-Per Capital Income, Physical Quality and Life Index	08
2	Panchayati Raj- Origin Development and contribution to rural development.	06
3	Approaches to Rural Development early attempts for rural development-national Programmes for Rural Development Community Development Programmes and Employment Guarantee Schemes	10
4	Rural Economics Programme-Bharat Nirmana, Provisions of Urban Rural Amenities (PURA), Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)	08
5	Agencies of Rural Development- Government, Semi Government Organisations Co-Operative institutions, Non Government Organisations NGOs and Voluntary Agencies	08
	TOTAL	40

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BOOKs Recommended:

1. Ghosh Alka- Indian Economy
2. Dutta, B Economics of Industrialization
3. M & Baldwin- Economics Development
4. Govt. of India- Kuruskshetra: A Symposium on Community Development of India
5. UNO- Report on Rural Development
6. Rao, CHH- Technological Change and distribution of gains in India Agriculture
7. गाँधी एम.के- हिन्द स्वराज
8. गाँधी एम.के- मेरे सपनों का भारत
9. Patel, M.L.- Agro Economic Problems of Tribal India Schchidanand Tribal Village in Bihar
10. Dutt & Sundharam- Indian Economy

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Co-operation: Theory & Practice
SEMESTER - IV

	: MJC-5	Full Marks	: 100
TITLE OF THE PAPER :	Co-operation Theory & Practice	ESE	: 70 -
CREDIT :	5	CIA	: 30

Course of Objective:-

In view of economic and social importance of Co-operative movement in U.K., Germany, Italy and Undivided USSR, the main objectives of Co-operation movement for developing economies are to promote poor people, to cultivate the practice of self help through mutual help. It aims to cultivate social harmony and create democratic value among members.

Out Come:-

Education of Co-operative or deep study of this paper will prepare people who will promote social good will and harmony. Who will efficiently work as officers for rural development in general and national development in particular. Co-operative education will generate maximum growth with minimum resource and bring forth diversification of agriculture at faster rate.

MJC 5 - Co-operation Theory & Practice		
Unit	Topics to be Covered-	No. of Lectures
1	Co-operative-concept-origin-need and development in India. Principles of Co-operative-fundamental Principles of Co-operative-their meaning.	10
2	Three-tier structure of Co-operative credit system-Primary Agriculture Co-operative societies- organization and functions- Co-operative bye laws. Importance and functions of district control Co-operative Banks and the Apex Banks (State Co-operative Bank).	10
3	Types of Primary Co-operative societies Agriculture Co-operative societies, Co-operative Non-agriculture societies- Co-operative credit societies- Co-operative on-credit non-agricultural societies.	10
4	Functions of National level federations of Co-operative development-significance of Co-operative legislations Co-operative education and training its, significance.	10
5	Origin and functions of International Co-operative, Advance-Impact-of economic liberalizations on development of Co-operative movement in India.	10
Total		50

Books Recommended:

1. Hough : Co-operative Movement in India
2. Bhatnagar, K.P.: Co-operative in India and Abroad
3. Tyagu, R.B.: Recent Trends in the Co-operative Movement in India
4. Thorner: Agricultural Co-operative in India
5. Indule. G.H.: Co-operative Banking in India

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6. Kulkarni. K.R.: Theory and Practice of Co-operative
7. Bedi. R.D.:History, Theory and Practice of Co-operative
8. Mathur. B.S.: Co-operative Movement in India and Abroad
9. Mehta. V.L.: Co-operative Farming
10. Khusro, A.M.: The Problems of Co-operative Farming in India.
11. Madan. G.K: Co-operative Farming and Service Co-operative in India.
12. Otto Sehiller: Co-operative Farming and Individual Farming on Co-operative Lines.
13. Kulkarni, K.R.: Agriculture Marketing in India
14. Laud. G.M.: Co-operative Banking in India
15. Tayler. J.B.: Organization of Industrial Co-operative
16. Chaubey . B.N.: Principle of Co-operative Banking
17. माथुर, बी० एस०—सहकारिता
18. जी०एम० लवानिया— कृषि सहकारिता
19. एम० एस० मालेराव— भारत सहकारिता में आन्दोलन
20. नगर एवं गुप्ता—सहकारिता के सिद्धान्त एवं समस्याएँ
21. पी० सी० जैन—सहकारिता

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INDIAN ECONOMY
SEMESTER - IV

	:	MJC-6	Full Marks	: 100
TITLE OF THE PAPER :		Indian Economy	ESE	: 70 -
CREDIT :		5	CIA	: 30

Course of Objective:-

Vastness of Indian economy with varied population makes it a complicated economy. Hence the objects of this paper is to impart the knowledge peculiarities of Indian economy and make them efficient to execute the programmers of development for Indian economy.

Out Come:-

The Course has applied intensive knowledge of this paper will being about dynamic charge in Indian economy. Bring such change has become necessary due to the increasing scale of economic globalization.

MJC 5 - Indian Economy		
Unit	Topics to be Covered-	No. of Lectures
1	Introduction to Indian Economy-Characteristics, Developing economy, Socio, Politics and Geographical factors which affecting the growth of Indian Economy.	10
2	Natural and Human Resources-Meaning, types and Importance in economic Development, Population explosion, Causes and Measures taken by the Govt.	12
3	Agriculture-Agriculture marketing-Importance, Problems and Measures.	08
4	Economic reforms in India-New economic policy 1991, Liberalization, Globalization and Privatization,	10
5	Growth and Distribution-Trend Policy in Poverty Inequality and Unemployment-Measures to promote food security for the weaker sections.	10
Total		50

Books Recommended:

1. A N Agarwal : Indian Economy; Problems of development and planning. New age international(p) limited, New Delhi.
2. I C Dhingra(2006): Indian Economy, S Chand and co. New Delhi.
3. S K Mishra and VK Puri(2006) : Indian economy, Himalaya Publishing House, Mumbai.
4. Uma Kapila(2006): Indian economy- Since Independence, Latest Edition, Academic Foundation, New Delhi.
5. R Duttand KPM Sundharum: Indian Economy
6. Human Development Reports of Recent Year.

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Title of the Paper-Rural Management and Planning
SEMESTER - IV

PAPER : MJC-7 Full Marks : 100
TITLE OF THE PAPER : Title of the Paper-Rural Management and Planning ESE : 70
CREDIT : 5 CIA : 30

Course of Objective:- Rural management refers to the study of planning and controlling rural areas, Agricultural business and other closely related fields. To developments have occurred, potential areas that could use more development.

Out Comes:- It is to develop expertise in planning and management of rural development programmes with benefited directly from the significant in increasing in income and nutrition resulting in dramatic improvement of management and planning in housing and school.

MJC 7 - Title of the Paper-Rural Management and Planning		
Unit	Topics to be Covered-	No. of Lectures
1	Principles of Management, its meaning and scope and importance	10
2	Rural Management its meaning scope and importance	10
3	Rural Economic development and resource conservation. It encompasses both the development of agriculture and natural resources like minerals, fisheries, forests.	10
4	Management of Social empowerment, maintain the suitability of renewable energy resources and reduce income disparities.	10
5	Management of animal husbandry, diary, army, agriculture.	10
Total		50

Book Recommended:

1. Rural development planning: Design and Methods by S.N. Mishra.
2. Planning and Management for Rural Development by S.P. Singh
3. Rural Development policies and Programms by S.K. Singh
4. Area Planning and Rural Development by D.M. Nanju adppa

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Co-operative Management

SEMESTER - V

TITLE OF THE PAPER :	MJC-8	Full Marks	: 100
CREDIT :	5	ESE	: 70
		CIA	: 30

Course of Objective:-

The teaching of this paper aims at providing basic knowledge of Co-operative Management. formerly Co-operative institutions ran by unskilled persons which resulted in loss of most of the Co-operative institutions in the part. Trained managers reduces the costs and increases production and productivity of Co-operative institutions.

Out Come:-

In the present management bringforth efficiency in the working of any institution. Person having knowledge of management will reduce costs, promote Production and productivity of cooperative institutions. Students having knowledge of management will Promote growth and harmony among members.

MJC 08 - Co-operative Management		
Unit	Topics to be Covered-	No. of Lectures
1	Co-operation--Concept origin, Characteristics, Need and importance, Principles of Co-operation Modified by International Co-operative Alliance.	10
2	Management -Cooperative Management, Functions and Problems of Cooperative, Principles of Management.	10
3	Administrative Mechanism of Co-operatives, De-officialization of Co-operative Movement-Role of Registrar and his officials.	10
4	Cooperative economy in India, Liabilities in Cooperative Society - Limited-Liability and Unlimited Liability	10
5	Integrated Scheme of Rural Credit, State Partnership, Linking of Credit with Marketing and processing Societies-Cooperative Training and Education.	10
Total		50

Books Recommended:

1. Hough : Co-operative Movement in India
2. Bhatnagar, K.P.: Co-operative in India and Abroad
3. Tyagu, R.B.: Recent Trends in the Co-operative Movement in India
4. Thorner: Agricultural Co-operative in India
5. Indule. G.H.: Co-operative Banking in India
6. Kulkarni, K.R.: Theory and Practice of Co-operative
7. Bedl. R.D.:History, Theory and Practice of Co operative
8. Mathur. B.S.: Co-operative Movement in India and Abroad
9. Mehta. V.L.: Co-operative Farming
10. Khusro, A.M.: The Problems of Co-operative Farming in India.
11. Madan. G.K: Co-operative Farming and Service Co-operative in India.

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12. Otto Sehiller: Co-operative Farming and Individual Farming on Co-operative Lines.
13. Kulkarni, K.R.: Agriculture Marketing in India
14. Laud. G.M.: Co-operative Banking in India
15. Tayler. J.B.: Organization of Industrial Co-operative
16. Chaubey . B.N.: Principle of Co-operative Banking
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19. एम० एस० मालेराव— भारत सहकारिता में आन्दोलन
20. नगर एवं गुप्ता—सहकारिता के सिद्धान्त एवं समस्याएँ
21. पी० सी० जैन—सहकारिता

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Rural Resources & Technology
SEMESTER - V

	MJC-9	Full Marks	: 100
TITLE OF THE PAPER :	Rural resources & technology	ESE	: 70
CREDIT :	5	CIA	: 30

Course of Objective:-

To improve the quality of the life of the rural population development to the resources of the rural areas and reduces to the unemployment by provide opportunities for employment. To provide clean water, education, stabilities, electricity and proper communication.

Out Come:-

By technological up gradation and inclusive growth has been focal development. At the point in Rural industry by digital literary and have connectivity have strengthened the labour market and provided a plateform to educated and became financially sound.

MJC 9 - Rural resources & technology		
Unit	Topics to be Covered-	No. of Lectures
1	Rural resources its types of resources where a known Renewable and Non removable Conservation of rural resources.	10
2	Land is an important resources among the rural resources, its formation and features. Its use and conservation quality of land, major of land development.	12
3	Water resources concept, distribution of water its importance, security of water, measure on the water security and water, conservation of Government scheme.	08
4	Rural Population and its importance, Health and Education, Rural Communication and information Technology-needs Sources Problem and Government Policy and Programmes for Rural People.	10
5	Rural Energy meaning and types Sources Rural Electrification-Problems Remedies.	10
Total		50

Books Recommended:

1. Rural resource management by Paul's. cloke and Chris C.pavk.
2. Rural Technology development and delivery Editors Subir Kumar Saha, M.R. Ravi.
3. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
4. Dutt and Sundaram-Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.
5. S.K. Mishra and V.K. Puri Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.
6. Shankar Chatterjee-Implementation of Rural Development

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Statistics
SEMESTER - VI

	MJC-10	Full Marks	: 100
TITLE OF THE PAPER :	Statistics	ESE	: 70
CREDIT :	4	CIA	: 30

Course of Objective:-

The main purpose of using statistics is to plan the collected data in terms of experimental designs and statistical surveys. Statistics is considered a mathematical science that works with numerical data. In short, Statistics is a Crucial process which helps to make the decision based on the data.

Out Come:-

The Outcome variable of interest is observed to see wither it is influenced by a manipulated Variable. This is called a dependent variable. A characteristics that independent variable.

MJC 10 - Statistics		
Unit	Topics to be Covered-	No. of Lectures
1	Statistics, Definition and its Relevance in Economic Analysis	08
2	Collection of Data --Primary and Secondary Data Classification, Tabulation and interpretation, Census and Sampling Method, Types of Sampling, advantages and disadvantages.	08
3	Measurement of Central Tendency-Mean, Median and Mode	08
4	Measures of Dispersion-Mean Deviation and Standard Deviation	08
5	Indian Statistics-Official and Non-official Statistics, Agricultural Statistics, Land use Statistics, Estimation of Yields of Crops and Crop Forecasting	08
Total		40

Books Recommended:

1. Croxton an Cowden : Applied General Statistics
2. Yule and Kendal : An Introduction to the Theory of Statistics
3. B.N Asthana : Applied Statistics
4. D.N. Alhance : Fundamentals of Statistics
5. Wallis and Rebert : Statistics A new Approach
6. Ghosh and Choudhery : Statistics Theory and Practice
7. Ghosh and Choudhery : Statistics
8. Kapoor & Kapoor : Applied Statistics of India
9. Gupta & Kapoor : Applied Statistitics of India
10. वी० एन० गुप्ता - सांख्यिकी के सिद्धान्त
11. एस० पी० सिन्हा - सांख्यिकी के सिद्धान्त एवं अनुप्रयोग
12. एस० एस० पोरबाल - भारतीय सांख्यिकी
13. आर० एन० मुखजी०-सांख्यिकीय अनुसंधान
14. पारसनाथ राय-अनुसंधान परिचय

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Environmental and Agriculture
SEMESTER-VI

Paper	: MJC 11	Full Marks	: 100
Title of the Paper	Environmental and Agriculture	ESE	: 70
Credit	: 5	CIA	: 30

Objectives- Environment and ecology have great bearing on agriculture. Therefore, the objects of learning this paper are to find objects of learning this paper and to find out measures to save ecology and environment that agriculture and allied sectors may be protected from adverse effect of environmental degradation.

Outcome-The study of environment and ecology will make the students trained enough to control environment pollution and as officers in future such students will be very effective to execute the policy of environment improvement.

MJC-11 : <u>Environmental and Agriculture</u>		
Unit	Topics to be covered	No. of Lectures
1	Environment-Concept, Nature & Scope, Environmental Economics, Fundamental Concept, Meaning, Nature its scope, Key issues and its problems	10
2	Issues of Environment-WTO and Environmental issues, Environmental quality-air, water, forest & land	10
3	Environmental Regulation and Policy-Policy approach to check environmental degradation, Analysis of environmental regulations, Air pollution and climate change	10
4	Economic analysis of Environment- Perspectives & Impact, Nature and Extent, Ecology- Global Warming Future & Planning	10
5	Review of Environment Policies & Programmes-Centre's State's Schemes and its outcomes, Local Governness & Environmental awareness	10
	TOTAL	50

Books Recommended:

1. Bhattacharya, R.N-Environment Economics-An Indian Perspective
2. Sen Gupta, R P-Ecology & Economics: An Approach to sustainable Development
3. A.K. Thakur (Ed.) Environment and Climate Change
4. Saikia Budhen Kr. & Singh Ram Pravesh (Ed.)- Sustainable Routes of Poverty Eradication Past Experiences & Future Challenges
5. Environment Agriculture Dr. M.Lakshmi Narasaiah
6. श्रीवास्तव बी. के एव 'बी.पी. पर्यावरण एवं परिस्थिति की, बसुंधरा प्रकाशन गोरखपुरा
7. मिश्र, डा० दिनेश कुमार, संपा० जनसंख्या पर्यावरण एवं विकास
8. सिंह जे०, वातावरण एवं सव विकास ज्ञानादेय प्रकाशन, गोरखपुर

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Rural Finance & Services
SEMESTER - VI

	: MJC-12	Full Marks	: 100
TITLE OF THE PAPER :	Rural Finance & Services	ESE	: 70
CREDIT :	5	CIA	: 30

Course of Objective:-

The basic objectives of Rural institutional finances for the Agricultural and rural sector. (a) Promoting growth (b) ensuring better equity (c) Making financial operations. This project to stimulate the rural economy through rural finances and financial system, mobilising rural finances.

Out Come:-

Rural finances are now a day's concerned a variety of services including not only Agricultural of sector but lending to form household or Non Agricultural production and Consumption Purpose. This Chapter for mainly rural focuses on the provision of rural services, on the provision of rural credits.

MJC 12 - Rural Finance & Services		
Unit	Topics to be Covered-	No. of Lectures
1	Rural Finance in India-Need of Rural Credit, Rural Co-operative Credit Societies, Long term Rural Credit, New Strategy for Rural Landing.	10
2	Rural Institutional and Non-Institutional Finance in India-Sources-Nationalized banks, RRBS, NABARD-Co-operative Sector and Micro Finance, NBFIS, SHGS- Issues and Problems.	12
3	Rural Banking System-Features of Rural Credit, Need, Importance and Classification of Rural Credit in India.	08
4	Rural Marketing-Concept-Importance, Classification and Structure Input Market and Output Market-Regulated Markets-Ware Housing and Cold Storages its Problems & Remedies	10
5	Rural Co-operative Marketing-Definitions and Meaning, Types, Structure-Role of Co-operative Markets, State Level Co-operative Marketing Organisation, National Co-operative Development Co-operation (NCDC)-Government Policy Measures	10
Total		50

Books Recommended:

1. Meenu agarwal-Consumer behavior and Rural Marketing in India.
2. Y. Subbarayudu and P Mohana Reddy-Regional Rural Bank and Rural Development.
3. Vasant Desai: Rural Development in India, Himalaya Publishing House, Mumbai, 2012.
4. Dutt and Sundaram-Indian Economy, S.Chand Publications, New Delhi, 2013-07-02.
5. Mishra S.K. and Puri V.K.-Economics of Development and Planning, Himalaya Publishing House, Mumbai, 2012.
6. K Santha Kumari-Regional rural banks; Performance and Perspectives.

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Advance Horticulture

SEMESTER - VII

	: MJC-13	Full Marks	: 100
TITLE OF THE PAPER :	Advance Horticulture	ESE	: 70
CREDIT :	5	CIA	: 30

Course of Objective:-

To increase production and productivity of vegetables crops, to increase production and Productivity of different kinds of spices of crops. To establish nurseries both of public and private sector, quality planting to transfer technology from lab to lab.

Out Come:-

The horticulture sector in India produces around 320 million tons of products and contributes about 331 after gross value addition. It is a labour extensive sector and provides a lot of employment opportunities especially for the people of rural regions.

MJC 13 - Advance Horticulture		
Unit	Topics to be Covered-	No. of Lectures
1	Transfer knowledge of Horticulture in the field of Agriculture research especially in Horticulture including fruits, vegetables, spices, medicinal and auto make plant and their management.	10
2	Develop innovative agro techniques to enhance the protections and productivity of Horticulture crops.	10
3	Increase farmers income through adopting hi tech Horticulture.	10
4	Create Job opportunities for the unemployed youth through teaching, research, training, extension etc. Especially for the development of socially and economically depressed segment of the society.	10
5	Establishment at model nurseries in rural areas for availability of quality.	10
Total		50

Books Recommended:

1. Horticulture-Principles and Practices by George Acquah.
2. Introduction to Horticulture by Kumar N.
3. Introductory Horticulture by Christopher E P

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20/09/23

Panchayati Raj & Human Development
SEMESTER-VII

Paper	:	MJC 15	Full Marks	: 100
Title of the Paper	:	Panchayati Raj & Human Development	ESE	: 70
Credit	:	6	CIA	: 30

Objectives- The Objective of the paper is to make acquainted about decentralized system of governance particularly rural local governance in India and Bihar as well.

Outcome- This paper offers an opportunity to know the significance of local governance, its power, function and extent of participation of the under privileged scheme of the society.

MJC-15 : Panchayati Raj & Human Development		
Unit	Topics to be covered	No. of Lectures
1	Evolution of Panchayati Raj Institutions. Constitutional Provision, Recommendation of Balwant Rai Mehta Committee (1957) Ashok Mehta Committee 1977. GVK Rao Committee 1985. 73rd Constitutional Amendment Act 1992 in the Indian Constitutions.	12
2	Structure and organization of Panchyati Raj Institutions in India with special reference to Bihar silent features of Bihar Panchayati Raj Act, 1990, 2016 & 2017, power and functions and Duties of Panchayati Raj Institutions with special mention to Bihar.	12
3	Financial Resources of Panchayati Raj institution in general and with special reference to Bihar. Financial Automoney bottlenecks, State finance commission Recommendations etc.	12
4	Role of Panchayati Raj institution in over all development of the State particularly in rural welfare and human development of the sectors.	12
5	Issues need for Strengthening the Panchayati Raj institution imitative & the way forward.	12
TOTAL		60

Books Recommended:

1. Panchayati Raj as the basis of Indian Polity DHARM PAL.
2. पंचायत राज-श्री सचिन शेंडे
3. Local Democracy and good Governance-Ranbir Singh and Surat Singh
4. Inclusive development and good Governance-Dr. Manas Behera.
5. पंचायत राज एवं ग्रामीण विकास-
6. Local self Government including Panchayati administration-Dr. Rakesh Kumar Singh, Souvikghar
7. Local self Government in India with Special Reference of 72 and 73 Act of Indian Constitution by Dr. Sudarshan Kumar Singh-B.N Mandal University, Madhepura, Bihar, Associate Professor.

MJC-15
20/09/23

Water Management SEMESTER - VIII

	: MJC-16	Full Marks	: 100
TITLE OF THE PAPER :	Water Management	ESE	: 70
CREDIT :	4	CIA	: 30

Course of Objective:-

The broad objectives of this course is to impart the knowledge of hydrology or water resources that concepts to its occurrence volumes, distribution, movement, properties, Potentialities, usage, gaps etc water on the earth.

Out Come:-

This paper is to offer a letter insight on basis of water ranging from availability / supply / to demand as well as the requirement for future generations in view of various demands.

MJC 16 - Water Management		
Unit	Topics to be Covered-	No. of Lectures
1	Origin or Evolution of water on earth importance, Properties and sources water and human civilization. Type of water resources, water management in sustainable development Crop (SDG)	08
2	Distribution of water Resources with special reference to Bihar. Role of ground water in water management.	08
3	Water use and Availability water stress / scarcity. approach for water Conservation.	08
4	Institutions involved in management of water Resources with special references to Bihar. Role of water management.	08
5	Programme / Schemes in Dentition for management of water and water holies with special reference to Bihar Such as jal Jeevan Hariyali and others.	08
Total		40

Books Recommended:

1. Water Resources Management-Robert C Brears
2. Principles and Practice of water Management-S.C. Panda.
3. Principles and Practices of water Management (i) B.S Lalitha Gurunalt Raddy
4. Water Management in India-M. Dinesh Kumar
5. Sustainable water Management and Techonologies.
6. Water Management in India-P.C. Bansil
7. Irrigation water Management-Dilip Kumar Majnmdav.
8. Water Management for sustainable prosperity-GANESH Pangare and Vasudha Lokur
9. Traditional water management System of India. Editors-Kalyan Kumar Chakravarty Gyani Lal Badur vijay Parajpye.

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Rural Development
SEMESTER-III

Paper	:	MIC 3	Full Marks	: 100
Title of the Paper	:	Rural Development	ESE	: 70
Credit	:	3	CIA	: 30

Objects- The objective of this paper is to provide deep knowledge of various aspects of Indian villages to student. To woke familiar the students about rural development process and programme.

Outcome-In depth study of the efficient person to woke appropriate policy and execute programme for rural development. Rural Development is a complete and perpetual process that focuses broadly on the social and monetary improvement of rural areas lagging behind overall.

MIC-3 : Rural Development (Credit: 3)		
Unit	Topics to be covered	No. of Lectures
1	Rural development- Meaning nature and scope	06
2	Economics Development- Definition Characteristics and Measurement.	06
3	Approaches to Rural Development early attempts for Rural Development National Programme for Rural Development	06
4	Rural empowerment programme Bharat Nirman, Mahatama National Rural employment Guarantee Act MGMREGA	06
5	Social securities and social welfare Jam Dham Yojna, Ujjwala Yojana Swachh Bharat Abhiyan	06
	TOTAL	30

Books Recommended:

1. Singh Katar- Rural Development Principles Policy and Management
2. Memoria C.B. Rural Credit in India
3. मिश्र, डॉ. दिनेश कुमार, संपा.-जनसंख्या पर्यावरण एवं विकास ;।च प्रकाशन निगमद्व
4. रूद्ध दत्त एवं सुन्दरम- अर्थव्यवस्था
5. झा, उग्रमोहन एवं सिंह, राम प्रवेश- भारतीय ग्रामीण अर्थव्यवस्था का अध्ययन एवं विश्लेषण
मिश्र एवं पुरी- भारतीय अर्थव्यवस्था- (हिमालया प्रकाशन)

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20/09/23

Co-Operation: Theory & Practice
SEMESTER-IV

Paper	:	MIC 4	Full Marks	: 100
Title of the Paper	:	Co-Operation: Theory & Practice	ESE	: 70
Credit	:	3	CIA	: 30

Objectives- The main objectives of co-operation movement for developing economics are to promote poor people, to cultivate the practice of self help through mutual help. Its aims to cultivate social harmony and create democratic value among members.

Outcome-i) The basic of Co-operation

- ii) How Co-operation promote social goodwill and harmony
- iii) How NABARD work as a officers for Rural development in general and National development
- iv) Co-Operation education will generate maximum growth will minimum resources.

MIC-4 : Co-Operative: Theory & Practice		
Unit	Topics to be covered	No. of Lectures
1	Co-Operation-Definition, Principles and Co-Operation	06
2	Origin and Backwardness of Co-Operative Movement in India	06
3	Co-Operative Training and Education-Need, Function and importance	06
4	Structure of Co-Operative credit system-Short term, Medium term and Long term Co-Operative Credit society.	06
5	Co-Operative Marketing Need Function, impact of economic liberalization.	06
TOTAL		30

BOOKs Recommended:

1. Hough : Co-operative Movement in India
2. Dhatnagar, K.P.: Co operative in India and Abroad
3. Tyagu, R.B.: Recent Trends in the Co-operative Movement in India
4. Thorner: Agricultural Co-operative in India
5. Indule. G.H.: Co-operative Banking in India
6. Kulkarni. K.R.: Theory and Practice of Co-operative
7. Bedi. R.D.:History, Theory and Practice of Co-operative
8. Mathur. B.S.: Co-operative Movement in India and Abroad
9. माथुर, बी० एस०-सहकारिता
10. जी०एम० लवानिया- कृषि सहकारिता
11. एम० एस० मालेराव- भारत सहकारिता में आन्दोलन
12. नगर एवं गुप्ता-सहकारिता के सिद्धान्त एवं समस्याएँ
13. पी० सी० जैन-सहकारिता

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20/09/23

Environmental & Rural Development
SEMESTER-V

Paper	:	MIC 5	Full Marks	: 100
Title of the Paper	:	Environmental Rural Development	ESE	: 70
Credit	:	3	CIA	: 30

Objectives- Its aim is to investigate the potential of Rural Development Policy to deliver sustainable rural development by better integrating the environment into Rural.

Outcome-Maximum family have benefited directly from significant increase in income and nutrition, resulting in dramatic improvement in rural areas to the entire Country, which is vivid by the Statical data.

MIC-5 : Environmental & Rural Development (Credit: 3)		
Unit	Topics to be covered	No. of Lectures
1	Environment and Ecology- Concept linkage with Rural development	06
2	Environment Degradation- Types or causes and Policy in India	06
3	Issue of Environment-WTO and Environment issues	06
4	Economic analysis of Environment- Perspectives & its on impact	06
5	Economics development and sustainable development- Concept and characteristics.	06
	TOTAL	30

Books Recommended:

1. Rural Development and Environment- S,B. Verma, Mandip Singh, R. Kumar
2. Rural Development- Adam pain- Kjell Hansen
3. Global Economics and the Environment –Roger D. Stone Eve Hamilton
4. श्रीवास्तव बी.के एव बी.पी. पर्यावरण एवं परिस्थिति की, बसुंधरा प्रकाशन गोरखपुर
5. मिश्र, डॉ. दिनेश कुमार, संपा.-जनसंख्या पर्यावरण एवं विकास, राज प्रकाशन निगमन
6. सिंह जे. वातावरण एवं सव विकास ज्ञानादेय प्रकाशन, गोरखपुर
7. झा, उग्रमोहन एवं सिंह, राम प्रवेश- भारतीय ग्रामीण अर्थव्यवस्था का अध्ययन एवं विश्लेषण

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20/09/23

Commercial Agriculture
SEMESTER-V

Paper	:	MIC 6	Full Marks	: 100
Title of the Paper	:	Commercial Agriculture	ESE	: 70
Credit	:	3	CIA	: 30

Objectives- Commercial agriculture is a cropping & method in which crops are raised and live stock are raised in order to sell the product on the market in order to make money. The Commercialization of agriculture crop a forced and artificial process for the majority of Indian farmers.

MIC-6 : Commercial Agriculture		
Unit	Topics to be covered	No. of Lectures
1	Definition of agriculture-meaning and scope of agronomy, agriculture concept and types of commercial agriculture	06
2	Sowing- method of sowing- sowing for major agriculture crops- cereals, pulses and oilseeds	06
3	Agro processing: - meaning, importance and challenges. composition and structure of different cereals and pulsed. Packing Methods and materials for finished product.	06
4	Cropping system:- definition, principles, classification cropping system for different ecosystem.	06
5	Agricultural marketing- definition, scope and subject matter of agricultural marketing role of agricultural marketing components of a market classification of market.	06
TOTAL		30

Books Recommended:

1. Agricultural marketing by H.R. Krishnagouda.
2. Agricultural marketing in India by S.S. Acharya & N.L. Agarwal.
3. Commercial Agricultural Theory and Practice by Manoj Saxena.
4. Indian Economy by Dutt & Sundhrams
5. Commercial agricultural by Indian Small holders partha. R. Das Gupta.

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20/09/23

Rural Health Nutrition
SEMESTER-VI

Paper	:	MIC 7	Full Marks	: 100
Title of the Paper	:	Rural Health Nutrition	ESE	: 70
Credit	:	3	CIA	: 30

Objectives- To facilitate increased access and utilization of quality of health service in Rural areas community to manage primary health Nutrient Programms and infrastructure. Promoting equality and social justice to provide preventive health core services

Outcome-

1. How to improve nutrition in Rural areas
2. Malnutrition in rural areas
3. Causes of food in security in rural areas
4. Health and nutrition status in Rural India
5. Access to food in Rural area.

MIC-7 : Rural Health Nutrition		
(Credit: 3)		
Unit	Topics to be covered	No. of Lectures
1	To ensure that on Rural areas have access at all times to safe and nutritious food, sufficient to maintain healthy and active life.	06
2	To secure Right, food security and nutrition, right food and have right good health, affordability of this least cost diet against rural wage India	06
3	To ensure that adequate protection promotions are support for breast feeding of Infant.	06
4	To ensure that poor people receive appropriate treatment. Promote health come approach which ensures that essential health care services to entire rural people.	06
5	That young children and infants have access to adequate complementary food and that infants of 6 months who are not breast food have access to alternative food management.	06
TOTAL		30

Books Recommended:

1. Public Health Nutrition: RURAL, URBAN and Global community- M Margaet Barth
2. Nutrition and Rural Health: Uper Narmada Basin.
3. Health and Nutrition secrets
4. Nutrition and Biochemistry

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20/09/23

Integrated Farming System

SEMESTER - VI

	:	MIC-08	Full Marks	: 100
TITLE OF THE PAPER :		Integrated Farming System	ESE	: 70
CREDIT :		3	CIA	: 30

Course of Objective:-

The objective of this paper is to provide deep knowledge of various aspect of Integrated farming System depth study of the type and importance of integrated farming system.

Out Come:-

Since a majority of the tribal community is dependent on minor forest produce and local productive agriculture, effort need to be made to make them more productive.

MIC 08 - Integrated Farming System		
Unit	Topics to be Covered-	No. of Lectures
1	Integrated farming system-Meaning and its scope	04
2	Features and importance of integrated farming system	06
3	Components of integrated farming system-live stock production crop.	06
4	Advantage of Integrated farming system, difficulties of integrated farming system.	08
5	integrated farming system & sustainable agriculture.	06
Total		30

Books Recommended:

1. Integrated Farming System for improving Agricultural Productivity S Kumar.
2. समन्वित कृषि प्रणाली प्रबन्धन
3. सीमान्त एवं लघु कृषकों हेतु एकीकृत कृषि प्रणाली
4. Integrated Farming System Surinder Singh Rana Pankaj Chopra.
5. Integrated Crop-Live Stock-Fish farming-Report food and Ferlized technology Centre.

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20/09/23

Rural Credit System & Technology **SEMESTER - VII**

PAPER : MIC-9

Full Marks : 100

TITLE OF THE PAPER : Rural Credit System & Technology
CREDIT : 4

ESE : 70
CIA : 30

Course of Objective:- To Provide Theoretical Knowledge adequate credit to framer at a cheaper interest. To assist small and marginal farmers in razing their agricultural productivity and maximizing their income.

MJC 9 - Rural Credit System & Technology		
Unit	Topics to be Covered	No. of Lectures
1	Rural credit-Meaning, definition, type and need	08
2	Leed Bank Scheme-Features and objective	08
3	NABARD Origin, Role and Development, Sources of Finance	08
4	Impact of Economic Reforms on the warming of Rural Finance.	08
5	Financial inclusion- concept, impact on Rural Transformation	08
Total		40

Book Recommended:

1. Chaubey, B.N.: Principle of Co-operative Banking
2. Kulkarni, K.R. Agriculture Marketing in Inida
3. Indule. G.H. Co-operative Banking in India
4. डॉ० देवेन्द्र प्रसाद कृषि वित्त एवं सहकारिता
5. एम० एस० भालेराव-भारतिये अर्थशास्त्र
6. पी० सी० जैन- सहकारिता
7. Keynes, J.M.-The General Theory of Employment, Interest and Money

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20/09/23

Rural and Tribal Development

SEMESTER - VIII

	MIC-10	Full Marks	: 100
TITLE OF THE PAPER :	Rural and Tribal Development	ESE	: 70
CREDIT :	4	CIA	: 30

Course of Objective:-

Tribal development as the subject has been an important area of inquiry in the Social Science as per the 2011 Consult. 10.42 crore Indian are notified as Scheduled Tribal (ST). Which constitute 8.6 Percent of Country & total Population and 11.3 Percent of the total rural Population. They are generally called Adivasis, in their original habitats.

Out Come:-

Since a majority of the tribal community is dependent on minor forest produce and local productive agriculture, effort need to be made to make them more productive.

MIC 10 - Rural and Tribal Development		
Unit	Topics to be Covered-	No. of Lectures
1	Socio-economic issues of Tribal Communities Poverty indebtedness, Bonded labour. Local Literacy, Poor educational facilities and under employment.	08
2	Definitions and Concept of Tribal Development Concept, definition and Characteristics of Tribals Indian Constitution and Tribe.	08
3	Deprivation of the Tribal Communities Land, Forest and water issues in tribal areas. Tribal displacement and problems of rehabilitation.	08
4	Policy and plan for Tribal Development Tribal Protective discrimination in India: Policy and approaches. Plan, Programs and their implementation Role of Government and NGO in tribal cell being.	08
5	Development and change among the Tribes Social changes during Colonial period. Impact of education in contemporary tribal societies. Impact of industrialization and urbanization on tribe.	08
Total		40

Books Recommended:

1. Vidhyarthi LP and Roy BK (1976). Tribal Culture in India Concept Pub House, Delhi. Introduction to Horticulture by Kumar N.
2. K.S Singh ed. 2002, Tribal Situation in India IAS, Shimla.
3. Naresh Kumar vaid, 2004. Who cares for Tribal Development, Mittal Publications.
4. Govinda Chandra Rath ed: 2006, Tribal Development in India: The Contemporary Debate, sage Publication.
5. P.K. Mohanty, 2002, Development of Primitive Tribal Groups in india, Gyan Books.
6. Vidyard Joshi ed: 1998. Tribal Situation in India: Issues in Development, Rauat Publishers.

M. Pradeep
20/09/23