

Deccan Education Society's

# Kirti M. Doongursee College of Arts, Science and Commerce (AUTONOMOUS)



Affiliated to

## UNIVERSITY OF MUMBAI

Syllabus for  
Program: Bachelor of Arts  
Course: S.Y.B.A.  
Subject: RURAL DEVELOPMENT

Choice Based Credit System (CBCS)  
with effect from  
Academic Year 2024-2025

### **PROGRAM OUTCOMES**

| <b>PO</b>                                                                     | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A student completing Bachelor's Degree in <b>Arts</b> Program will be able to |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PO1                                                                           | <b>Disciplinary Knowledge:</b><br><br>Demonstrate a blend of conventional discipline knowledge and its applications to the modern world. Execute strong theoretical and practical understanding generated from the chosen programme.                                                                                                                                                                                                                    |
| PO2                                                                           | <b>Critical Thinking and Problem solving:</b><br><br>Exhibit the skill of critical thinking and use higher order cognitive skills to approach problems situated in their social environment, propose feasible solutions and help in its implementation.                                                                                                                                                                                                 |
| PO3                                                                           | <b>Social competence:</b><br><br>Express oneself clearly and precisely to build good interpersonal relationships in personal and professional life. Make effective use of linguistic competencies to express themselves effectively in real and virtual media. Demonstrate multicultural sensitivity in group settings.                                                                                                                                 |
| PO4                                                                           | <b>Research-Related Skills:</b><br><br>Seeks opportunity for research and higher academic achievements in the chosen field and allied subjects and is aware about research ethics, intellectual property rights and issues of plagiarism. Demonstrate a sense of inquiry and capability for asking relevant/appropriate questions; ability to plan, execute and report the results of a research project be it in field or otherwise under supervision. |
| PO5                                                                           | <b>Personal and professional competence:</b><br><br>Equip with strong work attitudes and professional skills that will enable them to work independently as well as collaboratively in a team environment.                                                                                                                                                                                                                                              |
| PO6                                                                           | <b>Effective Citizenship and Ethics:</b><br><br>Demonstrate empathetic social concern and equity centered national development; ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility.                                                                                                                                                                                             |
| PO7                                                                           | <b>Environment and Sustainability:</b><br><br>Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.                                                                                                                                                                                                                                           |
| PO8                                                                           | <b>Self-directed and Life-long learning:</b><br><br>Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes.                                                                                                                                                                                                                                                                         |

**Proposed Curriculum as per NEP 2020  
Year of Implementation 2024-25  
DEPARTMENT OF RURAL DEVELOPMENT**

| <b>VERTICALS</b>         | <b>SEM 3 CODES</b>                 | <b>SEM 4 CODE</b>                  |
|--------------------------|------------------------------------|------------------------------------|
| <b>1) MAJOR</b>          | 24 UA RD MJ 311<br>24 UA RD MJ 312 | 24 UA RD MJ 411<br>24 UA RD MJ 412 |
| <b>2) MINOR</b>          | 24 UA RD MR 321                    | 24 UA RD MR 421                    |
| <b>3) OPEN ELECTIVES</b> | 24 UA RD OE 331                    | 24 UA RD OE 431                    |
| <b>4) VOCATIONAL SC</b>  | 24 UA RD VC 341                    |                                    |
| <b>5) SKILL EC</b>       |                                    | 24 UA RD SE 451                    |

**\*\*\*SPACES BETWEEN CODE GIVEN FOR CLARITY. DON'T GIVE SPACES BETWEEN  
CODE IN UR SYLLABUS.**

RRD is subject name MUST be three letter MIN.

MJ is for MAJOR.

MR is for MINOR.

OE is for Open Elective.

VC is for Vocational.

SC is for Skill.

Third Last digit represent current SEMESTER.

Second last digit represent VERTICAL number.

Last digit represent PAPER NUMBER.

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MAJOR SEM - III<br>Introduction of Rural Economy                                                                                                                                                                                                                              | Credits           | Lectures/<br>Week |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD MJ 311                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Paper I                                                                                                                                                                                                                                                                       | 4                 | 4                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the nature of Indian economy</li><li>Understand functioning of the Indian economy</li><li>Apply the acquired knowledge in their working profession</li><li>Analyze the ongoing economic challenges of their firm</li></ul>                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                               |                   |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                               |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Topics                                                                                                                                                                                                                                                                        | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Rural Economy</b> <ul style="list-style-type: none"><li>Concept, Nature, Scope of Rural Economy</li><li>Role of Agriculture in Rural Economy</li><li>Problems of Rural Economy</li><li>Remedial Measures to Save Rural Economy</li></ul>                                   | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Agricultural Policies</b> <ul style="list-style-type: none"><li>Green Revolution (Before and After)</li><li>National Agriculture Policy-2007 (Provisions and Drawbacks)</li><li>Agricultural Price Policy (Need and Strategies)</li><li>Food Security (FCI, PDS)</li></ul> | 15                |                   |
| III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Economic Reforms</b> <ul style="list-style-type: none"><li>Liberalization (Nature, features)</li><li>Privatization (Nature, features)</li><li>Globalization (Nature, features)</li><li>Impact of LPG on agriculture and rural artesian</li></ul>                           | 15                |                   |
| IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Micro, Small &amp; Medium Enterprises (MSME)</b> <ul style="list-style-type: none"><li>Concept and Types of Enterprises</li><li>Importance of Enterprises</li><li>Problems of Enterprises</li><li>Government Initiatives to Promote Enterprises</li></ul>                  | 15                |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>Suravase, B., Mahalinge, Y. V., Samant, M. R., Kambale, A., Kadam, D., Jumare, A. (2021). Public Finance and Indian Economy. Sheth Publisher.</li><li>Tyagi, B. P. Agricultural Economics and Rural Development. Jayprakash Nath and IU.</li><li>Das, D. K. Globalization and Development, Experience and Challenges.</li><li>Jain, G. L. (2000). Rural Economy and Rural Society towards Development. Mangaldeep publication.</li><li>Bhagwati, J. (1972). The Economics of Underdeveloped Countries. Weidenfeld &amp; Nicholason</li><li><b>Agarwal, A. N. (1986). Indian Economy. Wiley Eastern Ltd.</b></li><li>भालेराव, नि. भारतीय अर्थव्यवस्था. निराली प्रकाशन.</li></ul> |                                                                                                                                                                                                                                                                               |                   |                   |

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MAJOR<br>SEM - III<br>Sources of Rural Employment                                                                                                                                                                                                                                                                                | Credits           | Lectures/<br>Week |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD MJ 312                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Paper II                                                                                                                                                                                                                                                                                                                         | 4                 | 4                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the sources of rural employment</li><li>Understand the scope of rural employment</li><li>Apply their knowledge in acquiring skills towards achieve or generate employment</li><li>Analyze the forthcoming as well as current employment opportunities</li></ul>                                                                 |                                                                                                                                                                                                                                                                                                                                  |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Topics                                                                                                                                                                                                                                                                                                                           | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Primary Employment Sources</b> <ul style="list-style-type: none"><li>Pure Agriculture (Agriculture, Floriculture, Horticulture)</li><li>Allied Activities (Animal Husbandry, Fishery, Nursey)</li><li>Forest Commodities</li><li>Rural Arcticians (Nature and Contribution)</li></ul>                                         | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Tourism</b> <ul style="list-style-type: none"><li>Agro Tourism (Nature and Scope)</li><li>Rural Tourism (Nature and Significance)</li><li>Environmental Tourism (Nature and Role)</li><li>Problems and Remedial Measures</li></ul>                                                                                            | 15                |                   |
| III                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Unorganized Employment</b> <ul style="list-style-type: none"><li>Employment Guarantee Scheme (Provisions and Drawbacks)</li><li>Unstructured Employment (Nature, Problems, Remedial Measures)</li><li>Employment by Self-Help Group (Structure, Importance)</li><li>Landless Labor (Problems and Remedial Measures)</li></ul> | 15                |                   |
| IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Informal Women Entrepreneurship</b> <ul style="list-style-type: none"><li>Nature and Motive (Push and Pull)</li><li>Capabilities requires</li><li>Challenges Occurs</li><li>Remedial Measures to Overcome the Challenges</li></ul>                                                                                            | 15                |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>Rutherford, S. (1999). Self-Help Groups as Micro Finance Providers: How Can They Get, Mimeo.</li><li><b>Singh, K. (1986). Rural Development, Principles, Policies and Management. Sage Publication.</b></li><li><b>Singhi, R. S. (1985). Rural Elite Entrepreneurship and Social Change.</b></li><li><b>Acharya, B. T. (1991). Rural Industrialization, a Catalyst in Action. Himalaya Publishing House.</b></li></ul> |                                                                                                                                                                                                                                                                                                                                  |                   |                   |

- **Behari, B. (1976). Rural Industrialization in India. Vikas Publishing House.**
- **Kumar, M. A. (1989). Rural Industrialization in India, a Strategy for Rural Development. Mittal Publishers.**
- **Shivammurugan, C. National Employment Program.**
- **Kayande Patil, G. Challenges of Education in India. Regal Publication.**
- **Kayande Patil, G. History and Development of Indian Education in India. Chaitanya Prakashan.**
- कायंदे पाटील, गं. उदयोन्मुख भारतीय समाजातील शिक्षण. चैतन्य प्रकाशन.

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MINOR<br>SEM - III<br>Rural Planning and Development                                                                                                                                                                                                              | Credits           | Lectures/<br>Week |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD MR 321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Paper I                                                                                                                                                                                                                                                           | 4                 | 4                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember planning mechanism on micro as well as on macro level</li><li>Understand theories behind the planning</li><li>Apply their skills in routine work management</li><li>Analyze challenges and their prominent solutions</li></ul>                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                   |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Topics                                                                                                                                                                                                                                                            | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Background of Planning</b> <ul style="list-style-type: none"><li>Planning Commission (Structure and Functions)</li><li>Nature of all Five Years Plan</li><li>Five Years Plan (Provision, Drawbacks)</li><li>NITI Ayog (Structure, Nature, Functions)</li></ul> | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Regional Imbalance</b> <ul style="list-style-type: none"><li>Present Status of Rural Development</li><li>Negligence of Rural Development</li><li>Causes and Remedial Measures of Regional Imbalance</li><li>Consequences of Regional Imbalance</li></ul>       | 15                |                   |
| III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Micro Planning</b> <ul style="list-style-type: none"><li>Objectives of Micro Planning</li><li>Role of Panchayat Raj in Micro Planning</li><li>Importance of Budget in Micro Planning</li><li>Approaches and Strategies</li></ul>                               | 15                |                   |
| IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>District Planning</b> <ul style="list-style-type: none"><li>Need for District Planning</li><li>Components of District Planning</li><li>Process of District Planning</li><li>Problems of District Planning</li></ul>                                            | 15                |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>Reddy, V. (1988). Rural Development in India, Poverty and Development, Ist Ed. Himalaya Publishing House.</li><li>Desai, V. (1988). Fundamentals of Rural Development: A Systematic Approach. Himalaya Publishing House.</li><li>Mishra, R. P. &amp; Sundaram, K. P. M. (1978). Multilevel Planning and Integrate Rural Development. Concept Publishing House.</li><li>Kamta, P. (1988). Planning at the Grass Roots. Sterling Publishers.</li><li>Aziz, A. (1993). Decentralized Planning.</li><li>Bhatia, B. S. (1990). Management of Rural Development. Deep and Deep Publishers.</li></ul> |                                                                                                                                                                                                                                                                   |                   |                   |

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OPEN ELECTIVE<br>SEM - III<br>Basics of Rural Marketing                                                                                                                                                                                                                                        | Credits           | Lectures/<br>Week |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD OE 331                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Paper I                                                                                                                                                                                                                                                                                        | 2                 | 2                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the role of marketing in rural development</li><li>Understand the ground level functioning of marketing</li><li>Apply their knowledge to take an advantage of marketing skills</li><li>Analyze the scope of marketing towards their career growth</li></ul>                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                |                   |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Topics                                                                                                                                                                                                                                                                                         | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Agricultural Marketing</b> <ul style="list-style-type: none"><li>Concept and Characteristics of Marketing</li><li>Types of Agricultural Marketing</li><li>Functions of Marketing</li><li>Significance of Marketing in Rural Development</li></ul>                                           | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Marketing Risks and Uncertainties</b> <ul style="list-style-type: none"><li>Features of Agriculture Products</li><li>Risks and Uncertainties in Agricultural Marketing</li><li>Problems of Agricultural Marketing</li><li>Remedial Measures to Problems of Agricultural Marketing</li></ul> | 15                |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>Badi, R.V. and Badi, N.V. 'Rural Marketing'</li><li>Mishra and Puri 'Development Issues of Indian Economy', Himalaya Publishing House</li><li>Dantwala, M.L 'Indian Agriculture Since Independence', Oxford and IBH Publishing Co.Pvt.Ltd.</li><li>Habeeb, U.R. and Rahman, K.S. 'Rural Marketing in India', HPH- Mumbai</li><li>Gopalaswamy , 'Rural Marketing', Vikas Publishing House</li><li>Desai, S.S.M. 'Fundamental of rural economics', Himalaya Publishing House</li><li>Reddy, S.S and Raghuram, P. 'Agriculture finance and management', Oxford and IBH Publishing company private limited</li><li>Rudra, D. and Sundaram, K.P.M. 'Indian economy', S.Chandand company limited</li></ul> |                                                                                                                                                                                                                                                                                                |                   |                   |

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                  | VOCATIONAL SKILL COURSE<br>SEM - III<br>Fishery and Goat Farm Management                                                                                                                                                                                                  | Credits           | Lectures/<br>Week |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD VC 341                                                                                                                                                                                                                                                                                                                                                                                              | Paper I                                                                                                                                                                                                                                                                   | 2                 | 2                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the significance of allied activities in ecosystem</li><li>Understand the difference between qualities of breeds</li><li>Apply skills in effective functioning of fishery and goat farming</li><li>Analyze the problems and measures to be applied</li></ul> |                                                                                                                                                                                                                                                                           |                   |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                           |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                         | Topics                                                                                                                                                                                                                                                                    | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Fisheries Management</b> <ul style="list-style-type: none"><li>Introduction (Concept, Scope, Significance)</li><li>Fishing Types and Techniques</li><li>Fish Processing (Handling, Preservation)</li><li>Fisheries Management (Breed, Feed, Care, Marketing)</li></ul> | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Goat Farming Management</b> <ul style="list-style-type: none"><li>Introduction (Concept, Scope, Significance)</li><li>Goat (Breeds, Qualities, Disease)</li><li>Reproduction (Natural, Artificial)</li><li>Goat Farm Management (Feed, Shed, Vaccine)</li></ul>        | 15                |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>Ghosh, S. Fisheries and Aquaculture Management. Adhyayan Publishers &amp; Distributors</li><li>Eiri. Goat Farming, Engineers India Research Institute</li><li>पाटील, एस. मत्स्यशेती उद्योग. गोडवा कृषी प्रकाशन</li><li>कुलकर्णी, ए. सुधारित शेळीपालन. कॉन्टिनेन्टल प्रकाशन</li></ul>                                                                |                                                                                                                                                                                                                                                                           |                   |                   |

| Course Code                                                                                                                                                                                                                                                                                                                                                                                        | MAJOR<br>SEM - IV<br>Farm Business Management                                                                                                                                                                                                                                                              | Credits           | Lectures/<br>Week |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD MJ 411                                                                                                                                                                                                                                                                                                                                                                                    | Paper I                                                                                                                                                                                                                                                                                                    | 4                 | 4                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the importance of agriculture</li><li>Understand the role of agriculture in entrepreneurship</li><li>Apply his mind to convert their own or others farms into business</li><li>Analyze the challenges and opportunities in agri business</li></ul> |                                                                                                                                                                                                                                                                                                            |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                               | Topics                                                                                                                                                                                                                                                                                                     | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Farm Business Management</b> <ul style="list-style-type: none"><li>Meaning, Objectives and Factors</li><li>Need of Farm Business Management</li><li>Agriculture Productivity (Concept and Types)</li><li>Causes and Remedial Measures of Low Agri Productivity</li></ul>                                | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Watershed Management</b> <ul style="list-style-type: none"><li>Sources of Water (Natural and Artificial)</li><li>Need of Watershed Management</li><li>Water Scarcity and Pollution (Causes, Consequences, Remedial Measures)</li><li>Techniques of Irrigation (Conventional and Modern)</li></ul>       | 15                |                   |
| III                                                                                                                                                                                                                                                                                                                                                                                                | <b>Land (Soil) Management</b> <ul style="list-style-type: none"><li>Constituents of Land and its Natural Characteristics</li><li>Types of Soil and its Features</li><li>Soil Erosion (Causes, Consequences, Remedial Measures)</li><li>Soil Testing and Soil Management (Need and Importance)</li></ul>    | 15                |                   |
| IV                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Significance of Inputs in Agriculture</b> <ul style="list-style-type: none"><li>Seeds (Types, Importance)</li><li>Fertilizers (Types, Importance)</li><li>Pesticides (Types, Importance)</li><li>Agricultural Equipment's (Types, Importance)</li></ul>                                                 | 15                |                   |
| Practical                                                                                                                                                                                                                                                                                                                                                                                          | <b>Do visit and write a report on any 2 of the following;</b> <ul style="list-style-type: none"><li>a) Visit Rural Small Scale Industry</li><li>b) Visit Watershed Development Project</li><li>c) Study the Modern Agricultural Inputs</li><li>d) Visit Soil Testing Center</li><li>e) Visit KVK</li></ul> |                   |                   |
| <b>References:</b>                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                            |                   |                   |

- निकम, ता. कृषी व्यवस्थापन व कृषी विपणन. अजिंक्यतारा पब्लिकेशन
- निकम, ता., आणि सावंत, म. ग्रामीण समाजशास्त्र, कृषी विस्तार व माहिती तंत्रज्ञान. अजिंक्यतारा पब्लिकेशन
- निकम, ता. उद्यान विद्या, रोपवाटिका व फळबाग व्यवस्थापन. अजिंक्यतारा पब्लिकेशन
- थिटे, प्र. रसाळ पाणलोट क्षेत्र विकास, अक्षय
- **Dantawala, M. L. (1990). Indian Agriculture Development since Independence. Oxford and IBH Publication**
- **Joshi, P. C. (1976). Land Reforms in India. Allied Publishers**
- **Jain, S. C. & Satya, S. S. Problems of Policies of Indian Agriculture, Rural Development. Himalaya Publishing House**

| <b>Course Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>MAJOR<br/>SEM - IV<br/>Mechanism of Agro Based Industries</b>                                                                                                                                                                                   | <b>Credits</b>            | <b>Lectures/<br/>Week</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|
| <b>24 UA RD MJ 412</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Paper II</b>                                                                                                                                                                                                                                    | <b>4</b>                  | <b>4</b>                  |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"> <li>Remember the importance of agriculture in industrial development</li> <li>Understand different types of agro based industries and their necessity</li> </ul> Apply the steps to obtain information from public authorities under RTI Act; Analyse the relationship of Right to Information Act with other statutes in India;<br>Apply the steps to obtain information from public authorities under RTI Act; Analyse the relationship of Right to Information Act with other statutes in India; <ul style="list-style-type: none"> <li>Apply the acquired knowledge and information in establishing small scale agro based industry</li> <li>Analyze the operational difficulties of agro based industry</li> </ul> |                                                                                                                                                                                                                                                    |                           |                           |
| <b>Unit</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Topics</b>                                                                                                                                                                                                                                      | <b>No of<br/>Lectures</b> |                           |
| <b>I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Introduction of Agro Based Industry</b> <ul style="list-style-type: none"> <li>Vision and Nature</li> <li>Types of Agro Based Industry</li> <li>Scope of Agro Based Industry</li> <li>Role of Agro Based Industry</li> </ul>                    | <b>15</b>                 |                           |
| <b>II</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Operations of Agro Based Industry</b> <ul style="list-style-type: none"> <li>Functions of Agro Based Industry</li> <li>Importance in Rural Development</li> <li>Need of Agro Based Industry</li> <li>Factors of Agro Based Industry</li> </ul>  | <b>15</b>                 |                           |
| <b>IV</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Challenges and Measures</b> <ul style="list-style-type: none"> <li>Problems of Agro Based Industry</li> <li>Measure to Sustain Agro Based Industry</li> <li>Marketing Techniques</li> <li>Significance in Industrial Sector</li> </ul>          | <b>15</b>                 |                           |
| <b>IV</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Institutional Arrangements</b> <ul style="list-style-type: none"> <li>Cooperative Institutions</li> <li>Government Approach</li> <li>NGO Initiatives</li> <li>Khadi and Gramodyog</li> </ul>                                                    | <b>15</b>                 |                           |
| <b>Practical</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Do visit and write a report on any 2 of the following;</b> <ol style="list-style-type: none"> <li>Visit Agro Tourism Center</li> <li>Visit Nursery</li> <li>Visit Agro Processing Unit</li> <li>Visit Fishery / Fish Research Center</li> </ol> |                           |                           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>e) Study of Forest Commodities</b> |  |
| <b>References:</b> <ul style="list-style-type: none"> <li>• <b>Kayande Patil, G. Foundation Course. Chaitanya Prakashan</b></li> <li>• <b>Yadav, B. S. &amp; Rana, S. Rural empowerment through agro based industry</b></li> <li>• <b>Douglas N &amp; Derrentt R, Wiley. (2001). Special interest tourism</b></li> <li>• <b>Negi, J. S. Rural tourism and economic growth</b></li> <li>• कायंदे पाटील, गं. सहकार आणि ग्रामीण विकास. चैतन्य प्रकाशन</li> <li>• चौगुले, व्ही.टी. (१९८०). सहकाराची मूलतत्वे, कॉन्टिनेन्टल प्रकाशन</li> </ul> |                                       |  |

| Course Code                                                                                                                                                                                                                                                                                                                                                                       | MINOR<br>SEM - IV<br>Sustainable Rural Development                                                                                                                                                                                                                                                                                  | Credits           | Lectures/<br>Week |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD MR 421                                                                                                                                                                                                                                                                                                                                                                   | Paper I                                                                                                                                                                                                                                                                                                                             | 4                 | 4                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the need of sustainable development</li><li>Understand the importance of resources and its existence</li><li>Apply their skills in conservation of various resources</li><li>Analyze requirement of available resources</li></ul> |                                                                                                                                                                                                                                                                                                                                     |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                              | Topics                                                                                                                                                                                                                                                                                                                              | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                 | <b>Sustainable Agriculture</b> <ul style="list-style-type: none"><li>Organic Farming (Nature and features)</li><li>Natural Farming (Nature and features)</li><li>Integrated Farming (Nature and features)</li><li>Modern Farming (Nature and features)</li></ul>                                                                    | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                | <b>Rural Rejuvenation</b> <ul style="list-style-type: none"><li>Concept and Need of Rural Rejuvenation</li><li>Actions for Rural Rejuvenation (Individual and Organizational)</li><li>Community Development (Mahatma Gandhi's Nai Talim Philosophy)</li><li>Challenges in Rural Rejuvenation and It's Preventive Measures</li></ul> | 15                |                   |
| III                                                                                                                                                                                                                                                                                                                                                                               | <b>Resource Management</b> <ul style="list-style-type: none"><li>Principles of Resource Management</li><li>Importance of Resource Management</li><li>Types of Resources (Non Renewable and Renewable)</li><li>Strategies to Save Resources</li></ul>                                                                                | 15                |                   |
| IV                                                                                                                                                                                                                                                                                                                                                                                | <b>Rural Ecology</b> <ul style="list-style-type: none"><li>Concept and Components of Rural Ecology</li><li>Characteristics of Rural Ecology</li><li>Challenges of Rural Ecosystem</li><li>Remedial Measures to Sustain Rural Ecosystem</li></ul>                                                                                    | 15                |                   |
| Practical                                                                                                                                                                                                                                                                                                                                                                         | <b>Do visit and write a report on any 2 of the following;</b> <ul style="list-style-type: none"><li>a) Study of Migrated People</li><li>b) Visit Progressive Farmer / Farm</li><li>c) Study the Natural Resources</li><li>d) Study the Modern Techniques of Farming</li><li>e) Visit Eco Village</li></ul>                          |                   |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>निकम, ता. आणि निकम, सं. सेंद्रिय शेती, अजिंक्यतारा पब्लिकेशन</li><li>Jain, G. L. (2002). <b>Management of Rural Development and Resources Vol.II.</b></li></ul>                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                     |                   |                   |

**Mangaldeep Publication**

- **Thaha, M. & Prakash, O. Integrated Rural Development. Sterling Publishers Pvt. Ltd**
- **Punekar, S. D. & Golwalkar, A. R. (1973). Rural Change in Maharashtra**
- **Bhadouria, P. B. S. & Dua, S. C. (1986). Rural Development Strategy and Perspective. Annual Publication**
- **Patil, S. & Hamid, N. Mahatma gandhi national rural employment guarantee act (MGNREGA)**
- **Mirsad, K. (2013). Rural Ecology. University of Sarajevo**
- **Experiential Learning, Gandhiji's Nai Talim**

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OPEN ELECTIVE<br>SEM - IV<br>Basics of Rural Finance                                                                                                                                                                                                                     | Credits           | Lectures/<br>Week |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD OE 331                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Paper I                                                                                                                                                                                                                                                                  | 2                 | 2                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the moral of financial institutions</li><li>Understand the role of financial institutions in economic development</li><li>Apply the knowledge in finding opportunities</li><li>Analyze the problems and available solutions</li></ul>                                                                                           |                                                                                                                                                                                                                                                                          |                   |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                          |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Topics                                                                                                                                                                                                                                                                   | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Rural Finance</b> <ul style="list-style-type: none"><li>Concept and Nature of Rural Finance</li><li>Types of Rural Finance - Institutional and Non-Institutional</li><li>Problems of Rural Finance</li><li>Remedial Measures to Promote Rural Credit</li></ul>        | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Micro Finance</b> <ul style="list-style-type: none"><li>Concept and Scope of Micro Finance</li><li>Origin and Structure of SHG</li><li>Significance of SHG in Rural Development</li><li>Structure and Functions of Co-operative Financial Institutions</li></ul>      | 15                |                   |
| Practical                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Do visit and write a report on any 1 of the following;</b> <ul style="list-style-type: none"><li>a) Visit any Co-operative /Nationalize / Private Market</li><li>b) Visit any Co-operative /Nationalize / Private Bank</li><li>c) Study the Self-Help Group</li></ul> |                   |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>Kashyp, P. and Rant, S. 'The Rural Marketing', Biztantra</li><li>Kamat, M. and Krishanmoorthy R. 'Rural marketing', Himalaya Publishing House</li><li>Desai, V. 'Small-scale industries and entrepreneurship', Himalaya Publishing House</li><li>Sherlekar, S.A. 'Marketing Management', Himalaya Publishing House</li><li>Acharya, S. S. and Agarwal, N.L. 'Agriculture Marketing in India', Oxford and IBH</li></ul> |                                                                                                                                                                                                                                                                          |                   |                   |

| Course Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SKILL ENHANCEMENT COURSE<br>SEM - IV<br>Disaster Management                                                                                                                                                                                                            | Credits           | Lectures/<br>Week |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|
| 24 UA RD SC 451                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Paper I                                                                                                                                                                                                                                                                | 2                 | 2                 |
| <b>Course Outcomes:</b><br>After successful completion of this course, students would be able to <ul style="list-style-type: none"><li>Remember the need of disaster management</li><li>Understand the various responsible factors of disaster</li><li>Apply their knowledge to prevent the disaster</li><li>Analyze the disaster situation to take necessary action</li></ul>                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                        |                   |                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                        |                   |                   |
| Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Topics                                                                                                                                                                                                                                                                 | No of<br>Lectures |                   |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Natural Calamities</b> <ul style="list-style-type: none"><li>Nature of Natural Calamities</li><li>Causes of Natural Calamities</li><li>Disaster Prevention (Rules and Responsibilities)</li><li>Disaster Relief (Emergency Assistance and Rehabilitation)</li></ul> | 15                |                   |
| II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Man-Made Disaster</b> <ul style="list-style-type: none"><li>Nature of Man-Made Disaster</li><li>Responsible Factors of Man-Made Disaster</li><li>Consequences of Man-Made Disaster</li><li>Mitigation Measures to Prevent Man-Made Disaster</li></ul>               | 15                |                   |
| <b>References:</b> <ul style="list-style-type: none"><li>State disaster management plan 2019, Arunachal Pradesh</li><li>Srivastava, A.K. (2021) Disaster Management, Scientific Publisher</li><li>Subramanian, R. Disaster Management, Vikas Publishing House</li><li>Collins, L. (2000) Disaster Management Preparedness, CRC Press LLC</li><li>Islam, M.T. (2023) Disaster, Governance and Development, Springer</li><li>Shastri, K.N. Disaster Management in India</li><li>Marathe, P.P. Practical Disaster Management</li><li>पाळेकर, प्र. आपत्ती व्यवस्थापनाचे आव्हान</li><li>भोळे, र., पाटील, प्र., जाधव, स. आपत्ती व्यवस्थापन</li><li>आपत्कालीन व्यवस्थापन, लोटस पब्लिकेशन</li></ul> |                                                                                                                                                                                                                                                                        |                   |                   |

### SEM- III

#### Evaluation Scheme for Second Year (UG) under NEP (4 credits)

##### I. Internal Evaluation for Theory Courses - 40 Marks

- 1) **Continuous Internal Assessment (CIA)**  
Assignment - 20 marks
- 2) **Continuous Internal Assessment (CIA)**  
Online Unit Test (MCQ) - 20 marks

##### II. External Examination for Theory Courses - 60 Marks

- 1) Duration: 2 Hours  
Theory question paper pattern:

| Question | Based on   | Pattern       | Marks |
|----------|------------|---------------|-------|
| Q.1      | Unit I     | OR            | 10    |
| Q.2      | Unit II    | OR            | 10    |
| Q.3      | Unit III   | OR            | 10    |
| Q.4      | Unit IV    | OR            | 10    |
| Q.5      | Short Note | 4 Short notes | 20    |

#### Evaluation Scheme for Second Year (UG) under NEP (2 credits)

##### I. Internal Evaluation for Theory Courses - 20 Marks

- 1) **Continuous Internal Assessment (CIA)**  
Assignment - 10 marks
- 2) **Continuous Internal Assessment (CIA)**  
Online Unit Test (MCQ) - 10 marks

##### II. External Examination for Theory Courses - 30 Marks

- 1) Duration: 1 Hours  
Theory question paper pattern:

| Question | Based on   | Pattern       | Marks |
|----------|------------|---------------|-------|
| Q.1      | Unit I     | OR            | 10    |
| Q.2      | Unit II    | OR            | 10    |
| Q.3      | Short Note | 2 Short notes | 10    |

#### Evaluation Scheme for Second Year (UG) under NEP (2 credits)

##### I. Internal Evaluation for VSC Courses - 50 Marks

- 1) Journal - 20 marks
- 2) PPT - 20 marks
- 3) Viva-Voce – 10 marks

#### NOTE:

1. To pass the examination, attendance is compulsory in both Internal and External (Theory + Practical) Examinations.
2. Separate passing is applicable.

## SEM- IV

### Evaluation Scheme for Second Year (UG) under NEP (4 credits)

#### I. Internal Evaluation for Theory Courses - 40 Marks

1) **Internal Examination for Practical**

Field Visit - 20 marks

Journal - 10 marks

Viva-Voce - 10 marks

#### II. External Examination for Theory Courses - 60 Marks

1) Duration: 2 Hours

Theory question paper pattern:

| Question | Based on | Pattern | Marks |
|----------|----------|---------|-------|
| Q.1      | Unit I   | OR      | 15    |
| Q.2      | Unit II  | OR      | 15    |
| Q.3      | Unit III | OR      | 15    |
| Q.4      | Unit IV  | OR      | 15    |

### Evaluation Scheme for Second Year (UG) under NEP (2 credits)

#### I. Internal Evaluation for Theory Courses - 20 Marks

1) **Internal Examination for Practical**

Field Visit - 10 marks

Journal - 5 marks

Viva-Voce - 5 marks

#### II. External Examination for Theory Courses - 30 Marks

1) Duration: 1 Hours

Theory question paper pattern:

| Question | Based on | Pattern | Marks |
|----------|----------|---------|-------|
| Q.1      | Unit I   | OR      | 7     |
| Q.2      | Unit I   | OR      | 8     |
| Q.3      | Unit II  | OR      | 7     |
| Q.3      | Unit II  | OR      | 8     |

### Evaluation Scheme for Second Year (UG) under NEP (2 credits)

#### I. Internal Evaluation for VSC/SEC Courses - 50 Marks

1) Journal - 20 marks

2) PPT - 20 marks

3) Viva-Voce – 10 marks

#### NOTE:

1. To pass the examination, attendance is compulsory in both Internal and External (Theory + Practical) Examinations.
2. Separate passing is applicable.