



**ANDHRA UNIVERSITY**

**ఆంధ్ర విశ్వకళా పరిషత్**

Accredited by NAAC with 'A' Grade ISO 9001: 2015 Certified

## ONLINE CERTIFICATE COURSE PROMOTED BY CSC ACADEMY CENTERS

### Online Course: Agriculture Industry Overview

#### Summary

Course Type:	Certificate
Duration:	3 Months
Category:	Management
Credit Points:	4
Level:	Undergraduate/Postgraduate
Eligibility:	Minimum 10 <sup>th</sup> Std Pass or ITI or a Polytechnic Diploma Holder or Above
Fees:	Rs. 1250/- (Rs. 250 Registration Fees and Rs. 1000/- Course Fees)

Admission Batch for Certification Courses	Admissions in Month	All Assessments Completion through LMS
March	1st Mar, April, 30th May	July
June	1st June, July, 30th Aug	Oct
Sept	1st Sept, Oct, 30th Nov	Jan
Dec	1st Dec, Jan, 28th Feb	April

#### Course Layout

##### Chapter 1: Indian Agriculture Industry: Overview

Introduction - History of Indian Agriculture During Modern Times - Commercialization of Agriculture (1850-1947) - Republic of India (1947 CE onwards) - Importance of Agriculture in Indian social and economic life - Importance of Agriculture in Social Life of Indian - Importance of Agriculture in Economy of India - Agricultural Productivity - Trends in agricultural productivity (Pre-Post Independents Era) - Prior Independence - Post Independence - Causes and consequences of Low Agricultural Productivity - Suggestions to increase Agricultural production - Summary - Keywords - Self-Assessment Questions –

## **Chapter 2: Agriculture and National Economy**

Introduction - Place of Agriculture in National Economy - Size of Agricultural Holdings - Definitions related to holdings - Different Groups of Size of holding - Factors influencing size of Farm - Fragmentations - Causes of fragmentation - Effect of Fragmentation on Agriculture - Fragmentation Corrective Levels - Subdivision of Land - Consolidation - Challenges of Land Consolidation - Advantages of Consolidation - Principles of Modern Land Consolidation - Land Reforms - Need of Land Reforms - Land Tenure Systems - Objectives of Land Reforms - Co-operative Movements - Principles of Co-operations - Co-operative Movements in India - Major Committees on Co-operation  
- Summary - Keywords - Self-Assessment Questions –

## **Chapter 3: Different Agricultural Revolutions and Yield Improvement Programmes in India**

Introduction - Green Revolution - Need of Green Revolution - Benefits of Green Revolution - Challenges of Green Revolution - White Revolution - Objectives of Operational Flood - Phases of Operational Flood - Yellow Revolutions - Highlights of Yellow Revolution - Blue Revolution - Objectives of Blue Revolutions - Outcomes of Blue Revolutions - Round Revolution - Highlights of Round Revolutions - Gray Revolution - Silver Fiber Revolution - Red Revolution - Rainbow revolution - Objectives of Rainbow Revolution - Different Yield Improvement Programmes of India - National Project on Management of Soil Health and Fertility (NPMSF) - Soil Health Card Scheme - Nutrient Based Subsidy (NBS) Scheme - Neem Coated Urea - Micro Irrigation Fund - Pradhan Mantri Krishi Sinchai Yojana (PMKSY) - Rashtriya Krishi Vikas Yojana (RKVY) - Kisan Credit Card - High Yielding Variety Programme - National Agricultural Market (E- NAM) - Summary - Keywords - Self-Assessment Questions

## **Chapter 4: Food Security**

Introduction - Food Security - Dimensions / Pillar of Food Security - Importance of Food security - Problems and Suggestions of Food Security - Problems of Food Security - Suggestions of Food Security - Food Security System in India - Production of Food Grains in India - Per Capita Availability of Food Grains in India - Government initiatives in Food Security - Buffer stock and Public Distribution Systems - Buffer Stock - Process of Procurement - Procurement and Distribution Prices - Public Distribution System - Summary - Keywords - Self-Assessment Questions –

## **Chapter 5: Provisions For Agriculture In Five Year Plans**

Introduction - History of Planning in India - First Five Year Plan(1951-56) - Objectives of First five year plan - Outlay of First Five Year Plan - Highlights of First Five Year Plan - Second Five Year Plan(1956-61) - Objectives of Second Five Year Plan - Outlay of Second Five Year Plan - Highlights of Second Five Year Plan - Third Five Year Plan(1961-66) - Objectives of Third Five Year Plan - Outlay of Third Five Year Plan - Highlights Third Five Year Plan - Three Year Annual Plan - Fourth Five Year Plan(1969-74) - Objectives of Fourth Five Year Plan - Outlay of Fourth Five Year Plan - Highlights of Fourth Five Year Plan - Fifth Five Year Plan(1974-79) - Objectives of Fifth Five Year Plan - Outlay of Fifth Five Year Plan - Highlights of Fifth Five Year Plan - Rolling Plan - Sixth Five Year Plan(1980-85) - Outlays of Sixth Five Year Plan - Highlights of Sixth Five Year Plan - Seventh Five Year Plan(1985-90) - Outlays of Seventh Five Year Plan - Highlights of Seventh Five Year Plan - Eight Five Year Plan(1992-97) - Objectives of Eight Five Year Plan - Outlay of Eight Five Year Plan - Highlights of Eight Five Year Plan - Rolling Plan - Ninth Five Year Plan(1997-2002) - Outlay of ninth five year plan - Highlights of ninth five year plan - Tenth Five Year Plan( 2002-07) - Objectives of Tenth five year plan - Outlay of Tenth Five Year Plan - Highlights of Tenth Five

Year Plan - Eleventh Five Year Plan (2007-12) - Objectives of Eleventh five year plan - Outlay of Eleventh Five Year Plan - Twelfth Five Year Plan (2012-17) - Outlay of Twelfth Five Year Plan Summary - Keywords - Self-Assessment Questions –

### **Chapter 6: NITI Aayog**

Introduction - History of planning commission - NITI Aayog Evolution - Formation of NITI Aayog - NITI Aayog Organization - Seven Pillar's of Effective Governance of NITI Aayog - Objectives of NITI Aayog - Working of NITI Aayog - Difference between NITI Aayog and Planning Commission - Agricultural policies of NITI Aayog - - Summary - Keywords - Self-Assessment Questions

### **Chapter 7: Agriculture Mechanization**

Introduction - Meaning and Definitions of Agricultural Mechanization - Concepts Related to Mechanizations - Types of Mechanization - Sources of Farm Power and Mechanization - Scope of Mechanization - Advantages and Disadvantages of Mechanization - Advantages of Mechanization - Disadvantages of Mechanization - Challenges of Agricultural Mechanization - Summary - Keywords - Self-Assessment Questions

### **Chapter 8: Irrigation and Development**

Introduction - Meaning of Irrigation - Sources of Irrigations - Concepts Related to Irrigation Sources - Irrigation Projects Available in India - Types of Irrigation Technique - Irrigation development in India - Pre-colonial period - Under Colonial rule - Post-Independence - Importance of Irrigation - Disadvantages of Irrigation - Problems/ Challenges of Irrigation in India - Future development of irrigation - Future possibilities of Irrigation Development in India - Government Initiatives - Summary - Keywords - Self-Assessment Questions

### **Chapter 9: Agriculture Supply Chain and Retail Market**

Introduction of Supply Chain - Components of Agri-Supply Chain - Backward and forward linkages of supply chain - Need of Back Ward and Forward Linkages - Government Policy for Backward and Forward Linkages - Food supply chain in India - Food Supply Chain Ecosystem of India - Ways towards improve Food Supply Chain - Food Supply chain Networks - Retail Market - Retail Outlets - Major Retailers in India - Challenges of Retailing - Summary - Keywords - Self-Assessment Questions

### **Chapter 10: Agriculture Processing and Rural Market**

Introduction - Current status of Indian agricultural Industry - Indian food processing industry - ICT in Agriculture - Process of Development of E-Agriculture - ICT Initiatives For Agricultural In India - Agro- based industries - Meaning of Processing - Levels of processing of Farm Commodities - Types of processing in Agriculture - Major Processing Industries - Rural Market - Challenges in Rural Market - Rural market and urban market - Summary - Keywords - Self-Assessment Questions

### **Books and References**

- Agribusiness and Technology: Revolutionizing the Future of Farming by Sujit Sahgal
- General Agriculture Retention by Satyanarayana

### **CRITERIA TO GET A CERTIFICATE**

- Continuous Evaluation – 25% weightage, Students need to complete 2 Assignments (MCQ Type) per Course through LMS
- Exam Score = 75% Weightage, Students to Attempt the Assessment through LMS – (MCQ Type)
- Passing Criteria – 40%

Only the e-certificate will be made available. Hard copies will not be dispatched. Thanks for your interest in our online courses and certification. Happy Learning.