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Maharshi Dayanand University Rohtak
Department of Economics

Scheme and Syllabi for
Post Graduate Diploma in Agricultural and Rural Development (PGDARD)
w. e. f. Academic Session 2023-24

Semester I

	Nomenclature of Paper	Paper Code	Hours/week			Marks			Total Marks	Credit
			L	T	P	The	Int	P		
DSC	i) Rural Development: Theories and Approaches	23ECOD101DS01	3	1	-	70	30	-	100	4
	ii) Rural Economy	23ECOD101DS02	3	1	-	70	30	-	100	4
	iii) Research Methodology	23ECOD101DS03	3	1	-	70	30	-	100	4
	iv) Introductory Economics	23ECOD101DS04	3	1	-	70	30	-	100	4
	v) Selected Issues in Indian Economy	23ECOD101DS05	3	1	-	70	30	-	100	4
SEC	Techniques of Economic Data Collection and Analysis	23ECOD101SE01	3	1	-	70	30	-	100	4
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Semester I
RURAL DEVELOPMENT THEORIES AND APPROACHES

Course Code	23ECOD101DS01			Course Credits = 4	L	T	P
					3	1	0
Max. Marks	Total	Theory	Internal	Time of end-term examination	3 Hours		
	100	70	30				

Note: The examiner has to set nine questions in all. Two questions of 14 marks from each unit and one compulsory question that is question no. 1, consisting of 7 short answer type questions of two marks covering the entire syllabus. A candidate has to attempt five questions in all by selecting one question from each unit and compulsory question.

Learning Objectives:

- To introduce students to the basic concepts of Rural Development
- To attain inclusive growth and reduce regional imbalances
- To acquire relevant knowledge and skills appropriate to professional activities
- To gain an understanding of the sectoral aspects of development
- To understand the role of government and markets in economic development

Learning Outcomes:

- The students will be able to
- Define the growth and theories of development
- Elucidate the unemployment and different models of rural-urban migration
- Choose plenty of career paths interested in this field.
- Participation in rural Development Institutions to become a community mobilizer.
- Set up a Small-Scale Industry in rural areas supported by the State govt. institutions

Unit – I

Sectoral aspects of development; Importance of agriculture and industry in economic Development, Role of institutions – government and markets.

Unit – II

Balanced V/s Unbalanced Growth, Dualistic Theories – Social, Technical Dualism: The dependency theory of Underdevelopment, Myrdal theory of Circular Causation.

Unit – III

Nurkse's Theory of Disguised Unemployment as a Saving Potential, Lewis's theory of unlimited supply of Labour, Fei-Ranis Theory, and Harris-Todaro's Model of Rural-Urban Migration and Unemployment.

Unit – IV

Theories of Development:

Adam Smith's theory of development, Ricardo's theory of development, Karl Marx's theory of surplus value, and Schumpeter's theory of Innovation.

Suggested Readings:

- Adelman, "Theories of Economic Growth and Development".
- B.Higgins; "Economic Development; Problems, Principles and Policies.
- C.P. Kindleberger; "Economic Development".
- Agarwal Kundanlal (1994) "Economics of Development and Planning", Vikas Publishing house Pvt. Ltd., New Delhi.
- Thirlwall A.P (2003) Growth and Development, replica press Pvt. Ltd. Kundli,
- Lekhi R.K (2005) The economics of Development and Planning
- Satyasundaram (1997), Rural Development, Himalaya Publishing House, New Delhi.
- Katar Sing (1986) Rural Development, Principles, Policies, and Management, Sage publication, New Delhi.
- Mishra and Puri – Economics of Development and Planning.
- Venkata Reddy K (1992) Rural Development in India, Poverty and Development, Himalaya Publishing House, New Delhi.
- Maheswari S. (1985) Rural Development in India, - A Public Policy Approach, Sage publication, New Delhi.

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Semester I
Rural Economy

Course Code	23ECOD101DS02	Course Credits = 4	L	T	P
			3	1	0
Max. Marks	Total Theory Internal	Time of end-term examination	3 Hours		
	100 70 30				

Note: The examiner has to set nine questions in all. Two questions of 14 marks from each unit and one compulsory question that is question no. 1, consisting of 7 short answer type questions of two marks covering the entire syllabus. A candidate has to attempt five questions in all by selecting one question from each unit and compulsory question.

Learning Objectives:

- To create a basic understanding of the Indian as well as rural economy among students.
- To make students aware of the issues faced by the rural economy.
- To impart knowledge to students about the needs and resources of people in rural areas.

Learning Outcome:

- The student will be able to define the rural Economy and Rural Development.
- The students will be able to define the concept of rural infrastructure.
- Elucidate the rural aspects of Empowerment.
- The students will be able to explain the poverty and unemployment challenges.

Unit – I

Characteristics of Indian Economy; Rural Economy in India: Nature and Changing Patterns; Importance of Agriculture & Allied Activities in Rural Development.

Unit – II

Rural Infrastructure: Meaning, Needs and Importance, Problems & Challenges, Role in Economic Development; Transport, Communication, Electrification, Drinking Water and Sanitation.

Unit – III

Determinants of Rural Development: Natural Resources, Human Resources, Capital, Technology. Rural-Urban linkages: Needs and Importance; Inter-state disparities in Rural Development.

Unit – IV

Poverty and Unemployment Issues in Rural Economy: Concept, Causes, Challenges and Remedial Actions/ Schemes launched by the Government of India.

Suggested Readings:

- 1) S.K.Mishra, V.K. Puri: Indian Economy : Its Development Experience, Himalaya Publishing House, New Delhi (Latest Edition)
- 2) Desai, Vasant "Rural Development in India", Himalaya Publishing House Pvt Ltd.
- 3) Hussain, Tahir., Tahir, Mary., Tahir, Riya "Fundamentals of Rural Development", Dreamtech Press
- 4) Kapila, Uma "Indian Economy: Economic Development and Policy", Academic Foundation, New Delhi
- 5) Singh, Katar and Shishodia, Anil, "Rural Development, Principles, Policies, and Management", Sage Publications, New Delhi
- 6) Singh, Ramesh "Indian Economy", Mc Graw Hill
- 7) Sundaram, Satya, I, "Rural Development", Himalaya Publishing House Pvt Ltd.
- 8) Brahmananda, P.R. and Panchmukhi: The Development Process of Indian Economy, Himalaya Publishing House, New Delhi. Latest Edition
- 9) Deepashree: Indian Economy Performance and Policies Anno Books Pvt. Ltd., New Delhi Latest Edition
- 10) Economic Survey: Government of India. Latest Issue.

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Semester I
Research Methodology

Course Code	23ECOD101DS03			Course Credits = 4	L	T	P
Max. Marks	Total	Theory	Internal	Time of end term examination	3	1	0
	100	70	30		3 Hours		

Note: The examiner has to set nine questions in all. Two questions of 14 marks from each unit and one compulsory question that is question no. 1, consisting of 7 short answer type questions of two marks covering the entire syllabus. A candidate has to attempt five questions in all by selecting one question from each unit and compulsory question.

Learning Objectives: C01: To familiarize students with basic research and the research process.
C02: To enable students in conducting research work.
C03: To familiarize students with paper writing skills.
C04: To impart knowledge for enabling students to develop data analytics skills.
C05: To familiarize students with the data collection process.

Learning Outcomes: C01: Develop understanding on various kinds of research.
C02: Have basic knowledge on qualitative research techniques.
C03: Have adequate knowledge on measurement and scaling techniques.
C04: Have basic awareness of data analysis and hypothesis testing procedures.
C05: Students will learn how to collect data.

Unit – I

Introduction to Research in Social Sciences: Objectives, Significance, and Limitations of Research in Social Science, The Interplay Between Theory and Research, Types of Research, Ethical Considerations in Social Science Research.

Unit – II

Review of Literature: Need and purpose for reviewing literature, Sources of literature. Hypothesis: meaning, types, and characteristics of a good hypothesis. Sampling: Census vs. Sampling, Techniques and methods of sampling, sampling, and non-sampling Errors.

Unit – III

Data Collection: Meaning, types, Sources, and methods of collecting data. Paper writing: Introduction, Types of manuscripts, General instructions for authors, Selection of journal, submission of manuscript. Parts of papers.

Unit – IV

Data Processing: Editing, coding, classification tabulation and analysis of data. Report Writing: Meaning, purpose, and types of reports; steps, format, and final presentation of research report. Documentation: footnotes, references, and bibliography.

Suggested Readings:

- Clive Seale (2004): Social Research Methods- A Reader, Routledge Student Readers-Indian Print.
- William J. et.al.(2006): Methods in Social Research, Surjeet Publications, Delhi
- Moser CA and Kalton G(1985): Survey Methods in Social Investigation, Darmouth Publishing Co. Ltd. England.
- Cooper D.R. and Pamela S Schindler (2013): Business Research Methods, Tata McGraw-Hill/Irwin.
- Krishnaswamy KN, et.al. (2009): Management Research Methodology: Integration of Principles, Methods and Technique, Pearson Education India, New Delhi
- Krishnaswamy M and M Ranganathan (2014): Methodology of Research in SocialSciences, Himalaya Publishing House, New Delhi.
- Bhandarkar PL and TS Wilkinson (2010): Methodology and Techniques of Social Research, Himalaya, New Delhi.

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Semester I
Introductory Economics

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Course Code	23ECOD101DS04			Course Credits = 4	L	T	P
Max. Marks	Total	Theory	Internal	Time of end term examination	3	1	0
	100	70	30				

Note: The examiner has to set nine questions in all. Two questions of 14 marks from each unit and one compulsory question that is question no. 1, consisting of 7 short answer type questions of two marks covering the entire syllabus. A candidate has to attempt five questions in all by selecting one question from each unit and compulsory question.

Course Objectives:

1. To create basic understanding Economic concepts
2. To make students aware of the law of Demand
3. To Enhance knowledge about the cost and revenue

Course Outcomes:

On successful completion of this course, the student will be able to have a knowledge regarding

1. Have a basic understanding of Economics
2. Aware of the current challenges faced by any economy
3. Enhanced knowledge about the National Income Accounting

Unit – I

Concepts of demand and supply, market demand, determinants of demand, demand schedule, price, income and cross elasticity of demand, factors effecting price elasticity of demand

Unit – II

Meaning of utility, average and marginal utility, definitions and properties of indifference curve, Consumer's equilibrium under ordinal approach

Unit – III

Concepts of cost and revenue, firm's equilibrium under various market structure: perfectly competitive market and monopoly

Unit – IV

Basics concepts of national income accounting, Inflation: types, causes and remedial measures, Unemployment: types, causes and remedial measures,

Suggested Readings:

- > D N Dwivedi (2010), Principles of Economics, Vikas Publishing, Noida (UP)
- > Ahuja, H.L. (2006): Advanced Economic Theory, Sultan Chand and Co., New Delhi.
- > Koutsoyiannis, A: (1979): Modern Microeconomics (2nd ed), Macmillan Press, London.

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Semester I
Selected Issues in Indian Economy

Course Code	23ECOD101DS05		Course Credits = 4	L	T	P
				3	1	0
Max. Marks	Total	Theory	Internal	Time of end-term examination		3 Hours
	100	70	30			
<p>Note: The examiner has to set nine questions in all. Two questions of 14 marks from each unit and one compulsory question that is question no. 1, consisting of 7 short answer type questions of two marks covering the entire syllabus. A candidate has to attempt five questions in all by selecting one question from each unit and compulsory question.</p>						
<p>Learning Objectives:</p> <ul style="list-style-type: none"> To create a basic understanding of the Indian economy among students. To make students aware of the issues faced by the Indian economy. 						
<p>Learning Outcome:</p> <ul style="list-style-type: none"> The students will be able to define the concept of the Indian Economy. Elucidate the aspects of the Indian Economy The students will be able to understand Money and its importance 						
Unit – I						
Characteristics of the Indian economy on the eve of Independence. Features and Importance of Agriculture Sector in Indian Economy.						
Unit – II						
Basic Economic Indicators- National Income, Performance of different sectors Trends of Prices and Money and its Importance						
Unit – III						
Inequality in India and Causes of Inequality Industrialization and its Impact on the Indian Economy						
Unit – IV						
Balance of Payment, Issues in Export-Import Policy. Structure and Direction of Foreign Trade Foreign capital and FDI in India						
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1) S.K.Mishra, V.K. Puri: Indian Economy: Its Development Experience, Himalaya Publishing House, New Delhi (Latest Edition) 2) Kapila, Uma "Indian Economy: Economic Development and Policy", Academic Foundation, New Delhi 3) Singh, Ramesh "Indian Economy", Mc Graw Hill 4) Brahmananda, P.R. and Panchmukhi: The Development Process of Indian Economy, Himalaya Publishing House, New Delhi. Latest Edition 5) Deepashree: Indian Economy Performance and Policies Anno Books Pvt. Ltd., New Delhi Latest Edition 6) Economic Survey: Government of India. Latest Issue. 7) Economic and Political Weekly: Various Issues. 8) Reserve Bank of India, Reports on Currency and Finance (Annual) 						

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Semester I

Techniques of Economic Data Collection and Analysis

Course Code	23ECOD101SE01			Course Credits = 4	L	T	P
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Max. Marks	Total	Theory	Internal	Time of end term examination	3 Hours		
	100	70	30				

Note: Examiner will set nine questions in total. Answer to question no. 1 shall be compulsory comprising seven short answer type questions of two marks each from all four units. Remaining eight questions shall be set by taking two questions from each unit. The students have to attempt five questions in total. All questions carry equal marks.

Learning Objectives:

- To have an understanding of primary and secondary data sources
- To develop the basic understanding of the methods of data collection.
- To learn the quantitative tools and technique of data analysis
- To develop

Learning Outcomes:

- Are aware of primary and secondary economic data sources
- Students' learning is enhanced about use of quantitative techniques of data analysis
- Students are able to use basis data analysis software

Unit – I

Basic concepts: Population, Sample, Parameter, Statistic, frequency distribution, Cumulative frequency distribution, Primary and Secondary Data, Methods of Data Collection Various Methods of Sampling Measures of Central Tendency and Dispersion: Mean, Median, Mode, Range, Quartile deviation Mean deviation, Standard deviation; Skewness and Kurtosis

Unit – II

Sampling Techniques: Stratified clusters, Multistage and Systematic Sampling. Estimation process and properties of a good estimator. Testing of hypothesis. Simple applications of t-test

Unit – III

Regression and Correlation Analysis: Karl Pearson and Spearman's Rank correlation, method of Ordinary Least Square (OLS), numerical examples of simple liner regression model

Unit – IV

Introduction to MS-Word and MS-Power Point and MS- Excel, Creation of data files and spread sheets, Data Analysis using MS Excel, Descriptive statistics, Comparing means, Bivariate Correlation, One way ANOVA

Suggested Readings:

- Gujrati DN.et.al. (2011): Basic Econometrics, Tata McGraw- Hill/Irwin.
- George Darren (2011): SPSS for Windows Step by Step: A simple Guide and Reference, Pearson Education, Prentice Hall.
- Foster J Jeremy (2001), Data Analysis Using SPSS for Windows Versions 8-10: A Beginner's Guide, Education, Delhi. Sage Publishing Ltd.
- Gupta S.C. —Fundamentals of Statistics, S. Chand & Sons New Delhi (1993)
- Spiegel, Murry R —Theory and problems of Statistics, Schaum's outline series, McGraw Hill, 1992
- Karmal P.H. and Polasek M. —Applied Statistics for Economists (4th edition), Pitman, Australia

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