

**SRIDEV SUMAN UTTARAKHAND UNIVERSITY  
BADSHAITHAUL (TEHRI GARHWAL)**



**U.G. SYLLABUS  
ECONOMICS  
FOR  
MAJOR, MINOR ELECTIVE & VOCATIONAL/SKILL  
ENHANCEMENT COURSE**

**SESSION-2022-23(ONWARD)  
DEVELOPED BY:**

**DEPARTMENT OF ECONOMICS**

**PDT. L.M.S SRI DEV SUMAN UTTARAKHAND UNIVERSITY,  
CAMPUS RISHIKESH**

# SRI DEV SUMAN UTTARAKHAND UNIVERSITY

BADSHAITHAUL(TEHRI GARHWAL), UTTARAKHAND

Syllabus Preparation Committee

Department of Economics

Pdt. L.M.S SRI DEV SUMAN UTTARAKHAND UNIVERSITY, CAMPUS  
RISHIKESH

S.NO.	Name of faculty	Designation
1.	Dr. Pushpanjali Arya	Associate Professor & Head
2.	Dr. Ashok Kumar	Assistant Professor

*Parry 10/8/2022*  
*M. Taindala*  
*→ 10/8/2022*

## **Board of Study: Arts Faculty**

<b>1-Prof. Dinesh Chandra Goswami-</b>  <b>(Dean Faculty of Arts)</b>	<b>Chairman</b>
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<b>3- Prof. Hemant Kumar Shukla –</b>  <b>(Head of Department- English)</b>	<b>Member</b>
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<b>5- Prof. Priti Kumari –</b>  <b>(Head of Department – Home Science)</b>	<b>Member</b>
<b>6- Prof. Anand Prakash Singh-</b>  <b>(Head of Department- Sociology)</b>	<b>Member</b>
<b>7- Prof. Pushpanjali Arya-</b>  <b>(Head of Department – Economics)</b>	<b>Member</b>
<b>8- Prof. Durga Kant Prakash Chaudhary-</b>  <b>(Head of Department- Political Science)</b>	<b>Member</b>
<b>9- Dr. Poonam Pathak-</b>  <b>(Head of Department- Sanskrit)</b>	<b>Member</b>

- 10- Dr. Atal Bihari Tripathy-** Member  
**(Head of Department- Education)**
- 11- Dr. Pushkar Gaud-** Member  
**(Head of department – Physical Education)**
- 12- Dr. Sikha Mamgai-** Member  
**(Head of Department- Music)**
- 13- Prof. M.S. Mawadi-** Member  
**(Department of Drawing and Fine Arts)**  
**Kumaun University Nanital**
- 14- Dr. Preeti Gupta –** Member  
**Assistant Professor, Harshvidya Mandir, Raisi**
- 15- Dr. Narbdesvar Shukla-** Member  
**(Defence Studies – Govt. P.G. College, Doiwala)**
- 16- Dr. Poonam Pandey-** Member  
**(Department of Psychology- Govt. P.G. College, Doiwala)**
- 17- Dr. Vandana Sharma-** Invited Member  
**(Principal – Govt. Degree College, Devprayag)**
- 18- Dr. Asha Devi-** Member  
**(Department of Philosophy-  
Govt. P.G. College, Kotdwar)**
- 19- Dr. P.C. Penuli-** Member

(Department of Anthropology-

Govt. P.G. College, New Tehri)

## II- Principals of Govt. P.G. Colleges

1- Prof. Janki Panwar- Principal

(Govt. P.G. College, Kotdwar)

2- Prof. Lovely Rajwansi- Principal

(Govt. P.G. College, Jaiharikhali)

3- Prof. K.L. Talwar- Principal

(Govt. Degree College, Chakrata Dehradun)

## III- Director Research Institute

1- DR. Himanshu Das- Director

(National Institute for the Empowerment

of Persons with Visual Disabilities

(Divyangjan), Dehradun)

## IV- Nominee of Honourable Vice- Chancellor

1-Prof. M.S.M. Negi, S.R.T. Campus Badshahithaul Tehri Garhwal

2- Prof. M.C. Sati, Department of Economics, H.N.B. Garhwal University,  
Srinagar Garhwal

3-Prof. S.L. Bhatt, Retd. Principal Govt. P.G. College, Kotdwar

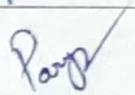
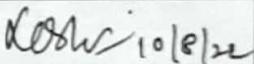
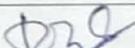
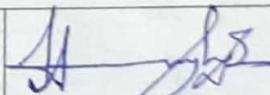
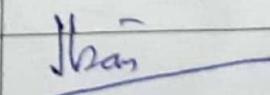
**Sri Dev Suman Uttarakhand University**

**Syllabus**

**Economics**

Syllabus of B.A. I, II, III, IV, V, VI Semesters respectively for Sri Dev Suman Uttarakhand University (SDSUU) Badshahithoul, Tehri-Garhwal and its Affiliated Colleges w.e.f. Educational Session: 2022-23

*Syllabus checked & modified by the following President/ Members of B.O.S. (Board of Studies) on Wednesday, 10.08.2022*

Sr. No.	Name	Designation & Institute	Designation in BOS	Signature
<b>A: Faculty of Arts, SDSUU, Tehri-Garhwal</b>				
1	Prof. Dinesh Chandra Goswami	Dean, SDSUU, Tehri Garhwal Pt. L.M.S. University Campus, Rishikesh (U.K.)	President	
2	Prof. Pushpanjali Arya	H.O.D.-Department of Economics SDSUU, Tehri Garhwal, Pt. L.M.S. University Campus, Rishikesh (U.K.)	Member	
<b>B: Three Principals of Post-Graduate Colleges</b>				
1	Prof. Janaki Panwar	Principal Govt. P.G. College, Kotdwar (U.K.)	Member	
2	Prof. Lavani Rajvanshi	Principal Govt. P.G. College, Jaiharikhali (U.K.)	Member	
3	Prof. K.L. Talwar	Principal Govt. Degree College, Chakarata (U.K.)	Member	
<b>C: Director of any Research Institute</b>				
1	Dr. Himanshu Das	Director Rashtriya Drishti Badhitarth Sansthan, Dehradun (U.K.)	Member	
Sr. No.	Name	Designation & Institute	Designation in BOS	Signature
<b>D. Two Professors &amp; 01 External Expert nominated by honourable Vice-Chancellor</b>				
1	Prof. M.S.M. Negi	S.R.T. Campus Badshahithoul, Tehri-Garhwal (U.K.)	Member	
2	Prof. M.C. Sati	Department of Economics HNBGU, Srinagar-Garhwal (U.K.)	Member	
3	Prof. S.L. Bhatt	Principal (Rtd.) Govt. P.G. College, Kotdwar (U.K.)	Member	

**SRI DEV SUMAN UTTARAKHAND UNIVERSITY**  
**Badshahithaul, Tehri Garhwal (Uttarakhand)**

**List of Members of Board of Studies**

Sl. No.	Name of the Members	Designation	Nominated as
1	Prof. Dinesh Chandra Goswami	Dean of Arts	Chairman
2	Prof. Muktinath Yadav	Professor	Member
3	Prof. Hemant Kumar Shukla	Professor	Member
4	Prof. Sangeeta Mishra	Professor	Member
5	Prof. Preeti Kumari	Professor	Member
6	Prof. Anand Prakash Singh	Professor	Member
7	Prof. Pushpanjali Arya	Asso. Professor	Member
8	Prof. D K P. Choudhury	Professor	Member
9	Dr. Poonam Pathak	Professor	Member
10	Dr. Atal Bihari Tripathy	Asst. Professor	Member
11	Dr. Pushkar Gaur	Asst. Professor	Member
12	Dr. Shikha Mamgai	Asst. Professor	Member
13	Prof. M. S. Mawri	Professor	Member
14	Dr. Preeti Gupta	Asst. Professor	Member
15	Dr. Narmadeshwar Shukla	Professor	Member
16	Dr. Poonam Pandey	Asst. Professor	Member
17	Dr. Vandana Sharma	Principal	Member
1	Prof. Janki Panwar	Principal	GPGC Kotdwar
2	Prof. Lovely Rajvanshi <i>LOVNEY</i>	Principal	GPGC, Jaiharikhali
3	Prof. K. L. Talwar	Principal	GDC, Chakrata
4	Dr. Himanshu Das	Director	NIVH, Rajpur Road
5	Prof. M. S. M. Negi	Professor	SRT Campus, HNBGU, Srinagar
6	Prof. M. C. Sati	Professor	HNBGU, Srinagar
7	Prof. S. L. Bhatt	Ex. Principal	GPGC, Kotdwar
8	Dr. P.C. Painuli	Asst. Professor	GPGC, New Tehri
9	Dr. Asha Devi	Asso. Prof.	GPGC, Kotdwar

# **NATIONAL EDUCATION POLICY-2020**

**Common Minimum Syllabus for all  
Uttarakhand State Universities and Colleges for  
First Three Years of Higher Education**

**PROPOSED STRUCTURE OF  
UG ECONOMICS  
SYLLABUS**

**2021**

## **Curriculum Design Committee, Uttarakhand**

Sr.No.	Name & Designation	
1.	Prof. N.K. Joshi Vice-Chancellor , Kumaun University Nainital	Chairman
2.	Prof. O.P.S. Negi Vice-Chancellor , Uttarakhand Open University	Member
3.	Prof. P. P. Dhyani Vice-Chancellor , Sri Dev Suman Uttarakhand University	Member
4.	Prof. N.S. Bhandari Vice-Chancellor, Soban Singh Jeena University Almora	Member
5.	Prof. Surekha Dangwal Vice-Chancellor, Doon University, Dehradun	Member
6.	Prof. M.S.M. Rawat Advisor, Rashtriya Uchchatar Shiksha Abhiyan, Uttarakhand	Member
7.	Prof. K. D. Purohit Advisor, Rashtriya Uchchatar Shiksha Abhiyan, Uttarakhand	Member

## Expert Committee

Sr.No.	Name	Designation	Department	Affiliation
1.	Prof. Rajnish Pande	Head, Professor	Dept. of Economic	Kumaun University, Nainital
2.	Prof. Padam S. Bisht	Professor	Dept. of Economics	Kumaun University, Nainital
3.	Prof. Harish Joshi	Professor	Dept. of Economics	S.S.J University, Almora
4.	Prof. R.P. Mamgain	Professor	Dept. of Economics	Doon University, Dehradun
5.	Prof. Puspanjali Arya	Associate Professor	Dept. of Economics	Sri dev Suman Uttarakhand University
6.	Dr. Nandan Singh Bisht	Assistant Professor	Dept. of Economics	Kumaun University, Nainital
7.	Dr. Jitendra Kumar Lohani	Assistant Professor	Dept. of Economics	Kumaun University, Nainital
8.	Dr. Abha Agarwal (Online)	Assistant Professor	Dept. of Economics	Govt. Degree College, Syalde Kumaun University, Nainital
9.	Dr. Manisha Tewari (Online)	Assistant Professor	Dept. of Economics	S.B.S P.G. College Rudrapur, Kumaun University, Nainital
10.	Dr. Vishwanath Pandey (Online)	Assistant Professor	Dept. of Economics	H.N.B P.G College, Khatima Kumaun University, Nainital

## Syllabus Preparation Committee

Sr.No.	Name	Designation	Department	Affiliation
1.	Prof. Padam S. Bisht	Professor	Dept. of Economics	Kumaun University, Nainital
2.	Dr. B.S Rawat	Associate Professor	Dept. of Economics	D.V.S College, Dehradun
3.	Prof. Rajnish Pande	Professor	Dept. of Economics	Kumaun University, Nainital
4.	Prof. R.P. Mamgain	Professor	Dept. of Economics	Doon University, Dehradun
5.	Dr Raj Laxmi Dutta	Assistant Professor	Dept. of Economics	D.V.S College, Dehradun
6.	Dr. Madhu Bisht	Assistant Professor	Dept. of Economics	Doon University, Dehradun
7.	Dr. Shikha Ahmed	Assistant Professor	Dept. of Economics	Sri Guru Govind Ram rai College
8.	Dr. Nandan Singh Bisht	Assistant Professor	Dept. of Economics	Kumaun University, Nainital
9.	Dr. Jitendra Kumar Lohani	Assistant Professor (Contract)	Dept. of Economics	Kumaun University, Nainital

List of all Papers in Six Semester Semester-wise Titles of the Papers in Economics					
Year	Sem.	Course Code		Theory/ Practical	Credits
<i>Certificate Course in Fundamentals of Economics</i>					
FIRST YEAR	I	ECOMJ101	Fundamentals in Microeconomics	Theory	6 Credits
	II	ECOMJ201	Fundamentals in Macroeconomics	Theory	6 Credits
<i>Diploma in Economics</i>					
SECOND YEAR	III	ECOMJ301	Basics of Public Finance	Theory	6 Credits
	IV	ECOMJ401	Money, Banking & International Trade	Theory	6 Credits
<i>Bachelor of Economics</i>					
THIRD YEAR	V	ECOMJ501	1. Indian Economy 2. Optional Paper - Select any one of the following - (2a). Basics of Labour Economics (2b). Basics of Agriculture Economics (2c). Basics of Demography (2d). Basics of Quantitative Techniques in Economics	Theory	5 Credits
		ECOMJE501 ECOMJE502 ECOMJE503 ECOMJE504	3. Field Survey	Theory	5 Credits
		ECORP501		Project	4 Credits
		ECOMJ601	1. Economics of Growth & Development 2. Optional Paper - Select any one of the following - (2a). History of Economic Thought (2b). Basics of Industrial Economics (2c). Economy of Uttarakhand (2d). Basics of Computer Application in Economics	Theory	5 Credits
	VI	ECOMJE601 ECOMJE602 ECOMJE603 ECOMJE604	3. Research Project	Theory	5 Credits
		ECORP601		Project	4 Credits

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*Ravinder Meindola*  
*Shan* *Surveen* *H.S.S*

**Abbreviations :-**

<b>ECOMJ</b>	-	<b>Economics Major Core</b>
<b>ECOMJE</b>	-	<b>Economics Major Elective</b>
<b>ECORP</b>	-	<b>Economics Research Project</b>
<b>ECOMIE</b>	-	<b>Economics Minor Elective</b>

*dear Sirs* *Parvez*

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*Ihsas* *D.S. S. J.S.*  
*Mauldawar*

## COURSE INTRODUCTION

The Course is designed for the students to pursue graduation with Economics in regular mode. The programme aims to inculcate economic thinking in students and help them in economic decision making. It aims to develop analytical view point in the students about the economic behavior of the people. The objective is to nurture the students as socially responsible and ethically aware citizens. The under graduate programme will have 10 courses in 6 Semesters in 3 years. Keeping in the spirit of the New Education Policy 2020 to introduce research at the graduation level **Field Survey** in Fifth Semester & **Research Project** in Sixth Semester is introduced in this course.

### Programme Outcomes (Pos) :

<b>PO 1</b>	Economics subject enables the learners to build up a professional carrier as economists, financial advisors, economics planners and policy makers. It prepares them to cope up with the stress and strain involved in the process of economic development.
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### Programme Specific Outcomes (PSOs) :

#### UG I Year / Certificate Course in Fundamentals of Economics

<b>PSO1</b>	To understand the basic concepts of Microeconomics
<b>PSO2</b>	To understand the basic concepts of Macroeconomics

### Programme Specific Outcomes (PSOs) :

#### UG II Year / Diploma in Economics

<b>PSO1</b>	To understand the basic concepts of Public Revenue, Public Debt, Public Expenditure etc.
<b>PSO2</b>	To understand the basic concepts of Money, Banking & International Trade.
<b>PSO3</b>	To understand different monetary standards, central banking system etc.

### Programme Specific Outcomes (PSOs) :

#### UG III Year / Bachelor of Economics

<b>PSO 1</b>	To understand the basic concept of Indian Economy.
<b>PSO2</b>	To understand the concept of Basic Labour Economics
<b>PSO3</b>	To understand the basics of Agricultural Economics.
<b>PSO4</b>	To understand the basics of Demography.
<b>PSO5</b>	To understand the basic concept of Quantitative Techniques that are used in economic analysis.
<b>PSO6</b>	To understand the basic concepts of Theory of Economic Growth & development.
<b>PSO7</b>	To understand about the Economic thinkers and their economic thoughts.
<b>PSO8</b>	To understand the basic concepts of Industrial Economy.
<b>PSO9</b>	To Understand the Economy of Uttarakhand.
<b>PSO10</b>	To understand the basic Computer Application in Economics.

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*Rohit* *Sohail* *H. J. S.*  
*Parmar* *Shivani* *Maindole*

## ***Certificate Course in Fundamentals of Economics***

<b>B.A.-I Year</b>	<b>SEM 1</b>	<i>Fundamentals in Micro Economics</i>	<b>[ 6 CREDITS]</b>
	<b>SEM 2</b>	<i>Fundamentals in Macro Economics</i>	<b>[ 6 CREDITS]</b>

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## Certificate Course in Fundamentals of Economics

Programme : Certificate Course in Fundamentals of Economics	Year 1	Semester 1 Paper I
<b>Subject : Economics</b>		
<b>Course Code : ECOMJ101      Course Title : Basics of Microeconomics</b>		
<b>Course Outcomes:</b> The course will help in:		
<ul style="list-style-type: none"> <li>• Study of micro economics enables the students to have an understanding of theoretical aspects of the subject.</li> <li>• Students are able to understand and define the basic concepts like consumer behavior, production, demand and supply etc.</li> <li>• Students will learn about the price and output determination of the firm and industry under different market forms. They also learn about the Welfare concept in modern Economics.</li> </ul>		
<b>Credits : 6 Credits</b>	<b>Core Compulsory</b>	
<b>Max. Marks : 75</b>	<b>Min. Passing Marks: 25</b>	
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>		
<b>Unit</b>	<b>Topic</b>	<b>No. of Lectures</b>
I	Definition, Nature, Scope and Methods of Micro Economics. Equilibrium: Partial and General, Static and Dynamic.	16
II	Theory of Demand: Utility Analysis of Demand. (Cardinal & Ordinal Approach) Indifference Curve Analysis. Consumer's Equilibrium. Giffen Goods. Concept and Calculation of Elasticity of Demand & Consumer's Surplus.	18
III	Theory of Production: Returns to a Variable Factor. Production Possibility Curve. Production Function: Isoquants, Fixed Proportions and Variable Proportions Production Functions, Returns to Scale. Concept and Calculation of Total, average and marginal cost. Concept and Calculation of Revenue Curves - Total, Average and Marginal.	20
IV	Market Structures and Price Determination. Equilibrium of the Firm. Perfect Competition. Monopoly & Monopolistic Competition.	18
V	Theory of Factor Pricing: Marginal Productivity theory of Distribution. Modern Theories of Wage, Rent, Interest & Profit.	18

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Page 8 of 44

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**Suggested Reading:**

1. Ahuja, H.L., Advanced Economic Theory, S. Chand & Co., New Delhi.
2. Koutsoyiannis , A., Modern Microeconomics, Macmillan, London.
3. Roy Choudhary, K., Modern Micro Economics, Theory and Application, Vols. I, II & III, Dominant Publishers and Distributors, New Delhi.
4. Lipsey, R.G., Introduction to Positive Economics, ELBS, London.
5. Baumol, W., Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.
6. Weintraub, E.R., General Equilibrium Theory, Macmillan, London.
7. Da Costa, G.C., Production, Prices and Distribution, Tata McGraw Hill, New Delhi.
8. Henderson, J.M. and R.E. Quandt, Microeconomic Theory: A Mathematical Analysis, McGraw Hill, Singapore.
9. Mishan, E.J., Welfare Economics: An Assessment, North Holland, Amsterdam.
10. एम० एल० शिंगन, उच्चआर्थिकसिद्धान्त, वृन्दापलिकेषन, नईदिल्ली।
11. आहूजा, एच० एल०, उच्चतरआर्थिकसिद्धान्त, एस० चौंद, नईदिल्ली

**Suggested online link:**

[www.ignou](http://www.ignou)  
[www.swayam](http://www.swayam)  
[www.inflibnet](http://www.inflibnet)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their 10+2 or Equivalent examination.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have basic knowledge of economics.

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## Certificate Course in Fundamentals of Economics

Programme : Certificate Course in Fundamentals of Economics		Year 1	Semester 2 Paper I		
Subject : Economics					
Course Code : ECOMJ201		Course Title : Basics of Macroeconomics			
<b>Course Outcomes:</b>					
<ul style="list-style-type: none"> <li>Students learn about macroeconomics and different theories regarding the determination of income and employment by different economists.</li> <li>They learn about the consumption and investment functions. And also, about the functioning of multiplier process.</li> <li>Students learn about money and banking and become able to know about the theories of inflation and Unemployment etc.</li> </ul>					
Credits : 6 Credits	<b>Core Compulsory</b>				
Max. Marks : 75	<b>Min. Passing Marks: 25</b>				
Total No. of Lectures – Practical (in hours per week) : 4-0-0					
Unit	Topics	<b>No. of Lectures</b>			
I	Macro-economics: Meaning, Nature, Scope, Importance and Limitations. Types of Macro Economics – Macro-Staticsand Macro - Dynamics.	16			
II	National Income Concept : Gross Domestic Product (GDP), Net Domestic Product (NDP), Gross National Product (GNP), Net National Product (NNP), Personal Income (PI), Disposable Income (DI). Measures of National Income: Product Method, Income Method, Expenditure Method & Mixed Method.	20			
III	Classical Approach to Employment: Classical Theory of Employment, Say's Law of Market, Pigou's Wage Cut Theory of Employment. Unemployment – Types and Causes.	18			
IV	Keynesian Economics: Theory of Employment, Aggregate Demand and Aggregate Supply. Concept of Effective Demand. Multiplier – Investment Multiplier..	16			
V	Consumption, Saving and Investment Function: Average and Marginal Propensity to Consume, Average and Marginal Propensity to Save,Marginal Efficiency of Capital, Autonomous Investment and Induced Investment.	20			

### Suggested Readings :

1. Ackley, G., Macroeconomics: Theory and Policy, Macmillan, New Y
2. Dornbusch, R. and F. Stanley, Macroeconomics, Mc Graw Hill, New York.
3. Jha, R., Contemporary Macroeconomic Theory and Policy, Wiley Eastern, New Delhi.

*Kishor*

Page 10 of 44

*M. Amdala*

*Rajiv*

*Dinesh* *H. Joshi*

4. Vaish, M.C., Macroeconomic Theory, Vikas, New Delhi.
5. Romer, D.L., Advanced Macroeconomics, Mc Graw Hill, New York.
6. Gupta, S.B., Monetary Planning in India, OUP, New Delhi.
7. Reddy, Y.V., A Review of Monetary and Financial Sector Reforms in India, UBSPD, New Delhi.
8. Frisch, H., Theories of Inflation, Cambridge University Press.
9. Rakshit, M., Studies in the Macroeconomics of Developing Countries, OUP, New Delhi.
10. Vasudevan, A., Central Banking for Emerging Market Economies, Academic Foundation, New Delhi.
11. Rana K.C. and K.N. Verma, Macro Economic Analysis, Vishal Publishing Co., Jalandhar.
12. एम० एल० झिंगन, समटिअर्थशास्त्र, वृन्दापब्लिकेशन, नईदिल्ली।
13. एच० एल० आहूजा, उच्चतरसमटिअर्थशास्त्र,एस० चाँद, नईदिल्ली।

**Suggested online link :**

[www.ignou](http://www.ignou.ac.in)  
[www.swayam](http://www.swayam.gov.in)  
[www.inflibnet](http://www.inflibnet.ac.in)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared there 10+2 or Equivalent examination.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have basic knowledge of economics.

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*Maindale*

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## **Diploma in Economics**

<b>B.A.-I Year</b>	<b>SEM 1</b>	<b>Fundamentals in Micro Economics</b>	<b>[ 6 CREDITS]</b>
	<b>SEM 2</b>	<b>Fundamentals in Macro Economics</b>	<b>[ 6 CREDITS]</b>
<b>B.A.-II Year</b>	<b>SEM 3</b>	<b>Basics of Public Finance</b>	<b>[ 6 CREDITS]</b>
	<b>SEM 4</b>	<b>Money Banking &amp; International Trade</b>	<b>[ 6 CREDITS]</b>

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12. आहूजा, एच० एल०, उच्चतरआर्थिकसिद्धान्त, एस० चौंद, नईदिल्ली।
13. के० पी० जैन एवं के० एल० गुप्ता, मैक्रोआर्थेश्वर एवंराजस्व, नवयुगसाहित्य सदन, आगरा।
14. एस० के० सिंह, लोकवित्त, साहित्य भवनआगरा।

**Suggested online link :**

[www.ignou](http://www.ignou.ac.in)  
[www.swayam](http://www.swayam.gov.in)  
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**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their **Certificate Course in Fundamentals of Economics.**

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared **Certificate Course in Fundamentals of Economics.**

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<b>Diploma in Economics</b>					
<b>Programme : Diploma in Economics</b>	<b>Year 2</b>	<b>Semester 4</b>			
<b>Paper I</b>					
<b>Subject: Economics</b>					
<b>Course Code: ECOMJ401</b>		<b>Course Title: Money, Banking &amp; International Trade</b>			
<b>Course Outcomes:</b>					
1. The students will understand the concept of money and banking. 2. The students will learn Indian monetary system and its working.					
<b>Credits : 6 Credits</b>	<b>Core Compulsory</b>				
<b>Max. Marks : 75</b>	<b>Min. Passing Marks: 25</b>				
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>					
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>			
<b>I</b>	Nature, Functions, Significance and Classification of Money. Role of Money in Capitalist, Socialist and Mixed Economies.	15			
<b>II</b>	Supply and Demand for Money. Fisher's Quantity Theory of Money. Income Theory of Money. Inflation and Deflation – Definition, Types, Causes and Effects on Different Sectors.	18			
<b>III</b>	Commercial Banking: Meaning, Functions& types of commercial banks. Central Banking: Meaning, Functions and methods of credit control. Role and Functions of the Reserve Bank of India.	20			
<b>IV</b>	Nature, Scope and Importance of International Trade. Inter-regional and International Trade. Theories of International Trade: Theory of Absolute Advantage, Theory of Comparative Advantage. Modern Theory of Trade : Heckscher Ohlin Theory.	19			
<b>V</b>	Balance of Payments and Balance of Trade. Disequilibrium in the Balance of Payments: Causes and Correction. Rate of Exchange: Fixed vs. Flexible Exchange Rates. Free Trade vs. Protection.	18			

**Suggested Reading :-**

1. Ackley, G. : Macroeconomics: Theory and Policy.
2. Kindleberger, C.P. : International Economics.
3. Sodersten, Bo : International Economics.
4. K.M.P. Sumdharam, : Money, Banking and International Trade, Sultan Chand, New Delhi.
5. Sethi, T. T., Money, Banking & International Trade, S chand, New Delhi.
6. Jalal, R. S., N. S. Bisht, Emerging Dimensions of Global Trade: Discussions on Trade Related Policies, Sarup& Sons, New Delhi
7. Jalal, R. S., Trade Policy and Global Participation: Indian Experience, Sarup& Sons, New Delhi
- 8 शिगल, एम. एल., अन्तर्राष्ट्रीय अर्थशास्त्र, वृद्धावनप्रकाशन, नईदिल्ली
- 9 अश्वाल एवंबरला, अन्तर्राष्ट्रीय अर्थशास्त्र

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*Rajiv*

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10सेठी, टी.टी., मुद्राबैंकिंग एवंअन्तर्राष्ट्रीय व्यापार, लक्ष्मी नारायण अग्रवाल, आगरा  
11 सिंघई, जी.सी. एवं जे. पी. मिश्रा, मुद्राबैंकिंग एवं अन्तर्राष्ट्रीय व्यापार, साहित्य भवनपट्टिकेशनस, आगरा

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[www.inflibnet](http://www.inflibnet.ac.in)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their **Certificate Course in Fundamentals of Economics.**

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Certificate Course in Fundamentals of Economics.

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## Bachelor in Economics

<b>B.A.-I Year</b>	<b>SEM 1</b>	<i>Fundamentals in Micro Economics</i>	[ 6 CREDITS]
	<b>SEM 2</b>	<i>Fundamentals in Macro Economics</i>	[ 6 CREDITS]
<b>B.A.-II Year</b>	<b>SEM 3</b>	<i>Basics of Public Finance</i>	[ 6 CREDITS]
	<b>SEM 4</b>	<i>Money Banking &amp; International Trade</i>	[ 6 CREDITS]
<b>B.A.-III Year</b>	<b>SEM 5</b>	<b>1.</b> <i>Indian Economy [Compulsory]</i>	[ 5 CREDITS]
		<b>2.</b> <i>Optional Paper</i> <i>Select any one of the following:-</i> <i>(2a.) Basics of Labour Economics</i> <i>(2b.) Basic Quantitative Techniques in Economics</i> <i>(2c.) Basics of Agricultural Economics</i> <i>(2d.) Basics of Demography</i>	[ 5 CREDITS]
		<b>3.</b> <i>Field Survey</i>	[ 4 CREDITS]
	<b>SEM 6</b>	<b>1.</b> <i>Economics of Growth &amp; Development</i>	[ 5 CREDITS]
		<b>2.</b> <i>Optional Paper</i> <i>Select any one of the following:-</i> <i>(2a.) History of Economic Thought</i> <i>(2b.) Economy of Uttarakhand</i> <i>(2c.) Basics of Industrial Economics</i> <i>(2d.) Basic Computer Application in Economics</i>	[ 5 CREDITS]
		<b>3.</b> <i>Research Project</i>	[ 4 CREDITS]

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<b>Bachelor in Economics</b>					
Programme : Bachelor in Economics	Year 3	Semester 5	Paper I		
Subject : Economics					
Course Code : ECOMJ501		Course Title : Indian Economy			
<b>Course Outcomes:</b>					
1. The students will come to know the Features of Indian Economy. 2. The students will Learn Agriculture, Industrial and Service Sectors of the economy. 3. The students will get familiar with various Poverty Alleviation and Employment Generation Schemes.					
Credits :5 Credits	Core Compulsory				
Max. Marks :75	Min. Passing Marks: 25				
Total No. of Lectures – Practical (in hours per week) : 4-0-0					
Unit	Topics	<b>No. of Lectures</b>			
I	Indian Economy – Nature, structure and Features. Natural Resources – Land, water, Forest and Minerals. Infrastructure – Importance and its development in India.	13			
II	Demographic Profile of Indian Economy –Population composition and main characteristics of Indian population according to current census, Problems of Population and New Population Policy in India.	13			
III	Agricultural structure in India – Importance& Nature. Agricultural Holdings and Land Reforms. Green Revolution. Agricultural Rural Labour. Agricultural Finance and Marketing. Agriculture Policy.	15			
IV	Industry- Growth & Problems of Heavy, Medium, Small & Cottage Industries in India since globalisation. Industrial Finance. Make in India and SKILL Development Programme, Digital India, Jan Dhan Yojna. New Industrial Policy.	16			
V	Nature and Estimation of Unemployment in India, Causes, types and remedies of Unemployment. Concept of Poverty, Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA). DeenDayal Upadhyaya National Rural Livelihood Mission (DDU-NRLM)	18			

**Suggested Reading:**

1. Agrawal, A.N. : Indian Economy, WishwaPrakashan, New age International (P) Limited, New Delhi.
2. Misra, S. K. & V. K.Puri : Indian Economy.
3. RuddarDatt& K. M..P.Sundharam: Indian Economy, S. Chand, New Delhi.
4. Bimal Jalan : Problems of Indian Economy.

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5. R.S.Jalal, "RURAL DEVELOPMENT IN INDIA : ISSUES AND POLICY" (Vol. I & II), Anmol Publication, New Delhi
6. Parekh, K.S.: India Development Report.
7. Dutt, R. (ed.): Second Generation Economic Reforms in India.
- 8<sup>व</sup> रूदृढत्त एवं को एम० पी० सुन्दरम्, भारतीय अर्थव्यवस्था, एस० चाँद, नईदिल्ली।
- 9 मिश्रा एवंपुरी, भारतीय अर्थव्यवस्था, हिमालयापब्लिकेशन, दिल्ली।

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**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared **Diploma in Economics**.

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Page 19 of 47

<b>Bachelor in Economics</b>				
Programme : Bachelor in Economics	Year 3	Semester 5 Paper II(a)		
Subject : Economics				
Course Code : ECOMJE501	Course Title : Basics of Labour Economics			
<b>Course Outcomes :</b>				
1. The students will learn the importance of labour economics. 2. The students will get familiar with characteristics of Industrial labour. 3. The students will come to know about labour legislation and labour unions. 4. The students will learn Social Security and Labour Welfare measures for labours.				
Credits : 5 Credits	Core Compulsory Elective			
Max. Marks : 75	Min. Passing Marks: 25			
Total No. of Lectures – Practical (in hours per week) : 4-0-0				
Unit	Topics	No. of Lectures		
I	Meaning & Importance of Labour Economics. Characteristics of Indian Industrial Labour Market. Migratory Character. Absenteeism, Labour Turnover. Unemployment – Causes, Types and Remedies., Recruitment of Industrial Labour : Through intermediaries, Direct & Contract.	16		
II	Types of Wage Determining Theory - Classical & Modern. Various Concept of Wages – Minimum Wage, Fair Wage and Living Wage. Organised and Unorganised Labour, Rural Labour, Agricultural labour.	15		
III	Labour Union – Meaning, Importance and Functions of Labour Unions, Methods of Settlement of Industrial Disputes - Preventive Measure & Settlement Measures.	15		
IV	Labour Legislation in India- Factory Act 1948, Indian Labour Laws - Mines & Plantation.	13		
V	State and Social Security of Labour – Concept of Social Security - Social Assistance and Social Insurance, Social Security in India, Labour Welfare in India, Causes & Problems of Child & Women labour in India.	16		

**Suggested Reading:**

1. Allen, V.L.: Power in Trade Unions.
2. Beveridge, W.H.: Social Security Plan.
3. Chamberlain, N.W.: Collective Bargaining.
4. Clow, A. G.: Indian Factory Legislation.
5. Das, N.: Unemployment and Full Employment in India.
6. Deshpande, L.K. Brahmmananda P. R. (Ed.) : Employment Policy in a Developing Economy.
7. Deshpande, D. K. and Sandesara, J.C. (Ed.) : Wage Policy and Wage Determination in India.

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*Meindale* *Ibas* *Deshpande* *H.S. Joshi*  
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8. Dobb, M. : Wages.
9. Gilman, N.P. : Profit Sharing Between Employer and Employee.
10. Gadgil, D.R. : Women Workers in India.
11. Hicks, J.R. : Theory of Wages.
12. Giri, V.V. : Labour Problems in Indian Industry.
13. Joshi, N.N. : Trade Union movement in India.
14. Kaul, N.N. : India and the I.L.O..
15. Kether, D.P. : India's Labour Welfare.
16. Mukerjee, R.K. : The Indian Working Class.
17. Mukerjee, P.K. : Labour Legislation in India.
- 18<sup>ए</sup> टी० एन० भगोलीवाल, श्रम अर्थशास्त्र एवंआद्योगिकसंबंध।
19. Memoria, C.B. : Labour Problems and Social Welfare in India. ( हिन्दी रूपान्तर)

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**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.

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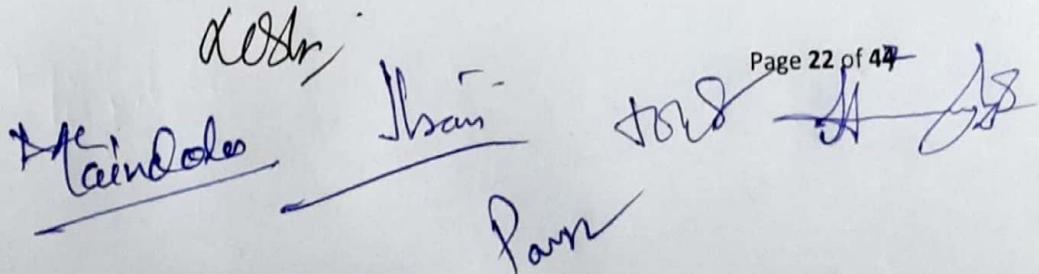
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<b>Bachelor in Economics</b>						
<b>Programme : Bachelor in Economics</b>		<b>Year 3</b>	<b>Semester 5</b>			
		<b>Paper II(b)</b>				
<b>Subject : Economics</b>						
<b>Course Code : ECOMJE502</b>	<b>Course Title : Basics of Agriculture Economics</b>					
<b>Course Outcomes:</b>						
1. The student will come to know the basics of agriculture and rural economics. 2. The student will get familiar with land distribution and agriculture production. 3. The student will learn the diversification in agriculture and about agriculture finance.						
<b>Credits : 5 Credits</b>	<b>Core Compulsory Elective</b>					
<b>Max. Marks :75</b>	<b>Min. Passing Marks: 25</b>					
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>						
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>				
I	Nature , scope and types of Agricultural Economics : Sustainable, organic, agro forestry. Role of Agriculture in development of Economy. Recent Trends in Agricultural Growth in India.	15				
II	Land Distribution – Structure and Trends. Land Tenures Land Reforms in India during post independence period. Rural Labour Supply. Agricultural Wages in India.	15				
III	Agricultural Production – Resource Use and Efficiency. Demand and Supply and Allocation of Basic Inputs- Labour, Land, Livestock Energy, Machinery and Equipment. Emerging Trends in Agricultural Technology.	15				
IV	Diversification of Agriculture : Agriculture and Allied Activities. Revolutions in Agriculture - Green Revolution, White Revolution. Blue Revolution. Role of Women in Agriculture.	15				
V	Agricultural Finance in India - Institutional and Non-institutional Sources. Rural Credit – Cooperatives, Regional Rural Banks. Role of NABARD. Agricultural Market Structure and Imperfections. Food Security in India. Public Distribution System.	15				

**Suggested Reading:**

1. Heady, E.O. : (ed.) Economic Development of Agriculture.
2. Snodgrass, Milton M. and L.T. Wallace : Agricultural Economic and Resource Management, Prentice Hall of India Pvt. Ltd., 1977.
3. Eicher, Earl and Lawrence Witt (ed.): Agriculture in Economic Development: Vora Co. Pub. Pvt. Ltd. 1970.
4. Shah, C.H. and C.N. Vakil (ed.) : Agriculture Development of India : Policy and Problems, Orient Longman, 1979.
5. Southworth N. and A. Johnston : Agriculture Development and Economic Growth, Cornell University Press.
- 6<sup>v</sup> एस० बी० गुप्ता, कृषिअर्थशास्त्र, एस० बी० पी० डी० पब्लिकेशनआगारा।
7. Chaudhari, Pramit : Selected Readings in Indian Agriculture.
8. Govt. of India : Report of the National Commission on Agriculture.


  
 Page 22 of 47

9. R.S.Jalal, "RURAL DEVELOPMENT IN INDIA : ISSUES AND POLICY" (Vol. I & II), Anmol
10. Publication, New Delhi
11. Rao. H.H. : Technological Change and Distribution of Gains.
12. Rudra, Ashok : Indian Agricultural Economics : Myths and realities, Allied Pub., New Delhi, 1982.
13. Mitra, A : Terms of Trade and Class Relations.
14. Schultz, T.W. : Economic Crisis in World Agriculture.
15. Schultz, T.W. : Transforming Traditional Agriculture
16. Govt. of India: Five year Plans (Documents)

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**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.

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<b>Bachelor in Economics</b>		
<b>Programme : Bachelor in Economics</b>	<b>Year 3</b>	<b>Semester 5 Paper II(c)</b>
<b>Subject : Economics</b>		
<b>Course Code: ECOMJE503</b>		<b>Course Title: Basics of Demography</b>
<b>Course Outcomes:</b>		
1. The students will come to know population growth and economic development. 2. The students will come to know about migration and its features. 3. The students will be able to understand the concept of demographical development of India,		
<b>Credits : 5 Credits</b>	<b>Core Compulsory Elective</b>	
<b>Max. Marks : 75</b>	<b>Min. Passing Marks: 25</b>	
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
I	Meaning ,Scope& importance of Demography. Theories of Population: Malthusian Theory, Optimum Theory& Theory of Demographic Transition.	15
II	Fertility & Mortality Statistics :Crude Birth Rate (CBR), Maternal Age, Death Rate, Sex Ratio, Life Expectancy, Infant Mortality Rate (IMR), Fertility Rate. Child Health in India. Temporal and Spatial Variation in Sex Ratios. Methods of Population Projection.	18
III	Migration : Meaning, Types and Measurement. Causes and Effects of Internal and International migrations. Urbanisation - Causes and effects.	12
IV	Population Growth and Economic Development. Qualitative Control of Population. Human Development Index (HDI), Gender Development Index (GDI). Effects of Population Growth in Indian economy.	15
V	Sources of Demographic Data in India. Population Census in India – Nature, Methods, Problems and Defects. Salient Features of current Population Census. Family Planning Programmes in India.	15

**Suggested Reading:**

1. Agarwal, U.D.: Population Projections and Their Accuracy, B.R.Publishing Corporation, New Delhi.
2. Bhende,A.A. and T.R.Kanitkar: Principles of Population Studies, Himalaya Publishing House, Bombay.
3. Bogue, D.J.: Principles of Demography, John Wiley, New York.
4. Bose, A.:India's Basic Demographic Statistics, B.R.Publishing Corporation, New Delhi.
5. Census of India: Various Reports.
6. Choubey,P.K.: Population Policy in India, Kanishka Publications, New Delhi.
7. Misra, B.D.: An Introduction to the Study of Population, South Asia Publishers, New Delhi.
8. Srinivasan, K.: Basic Demographic Techniques and Applications, Sage Publications, New Delhi.
9. Krishnaji,M., R.M.Sudrashan and A.Shariff: Gender Population and Development, OUP, New Delhi.

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**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.

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Page 25 of 47  
Rajiv

<b>Bachelor in Economics</b>					
Programme : Bachelor in Economics		Year 3	Semester 5 Paper II(d)		
Subject: Economics					
Course Code: ECOMJE504		Course Title: Basic Quantitative Techniques in Economics			
<b>Course Outcomes:</b>					
1. Students will be able to understand the Basic concept of Mathematical Economics 2. Students will be able to use the mathematical tools and methods in Economics					
Credits: 5 Credits		Core Compulsory Elective			
Max. Marks: 75		Min. Passing Marks: 25			
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>					
<i>Note: Elementary Quantitative concepts with illustration from Economics with the help of graph and equations where ever possible. Proof of theorems is not expected. (Simple Calculator without mathematical and statistical functions is allowed but candidates shall have to arrange the calculator at their own)</i>					
Unit	Topics		No. of Lectures		
I	Definition, Scope, Importance and Limitations of Quantitative Techniques and Statistics; Primary & Secondary Data. Census & Sampling. Techniques of Data Collection, Classification and Tabulation of Data. Diagrammatic and Graphic Representation of Data.		14		
II	Measures of Central Tendency: Arithmetic Mean, Median, Mode. Measures of Dispersion: Range, Mean Deviation, Standard Deviation. Simple Correlation.		15		
III	Variables, Functions, Identities, Linear Equations in one Unknown. Simultaneous Equations in two variables, Use of Linear Functions in Economics. Differentiation of a Function. : Rules of Differentiation., Basic Economic Applications of the Derivatives. Elementary Integral Calculus. Basic Applications of Differential and Integral calculus in Economics.		17		
IV	Matrices (not more than 3 columns, 3 row case): Types, Definition and Properties, Addition, Subtraction and Multiplication of Matrices. Determinant: Meaning, Rules of Expansion, Properties, Solution of Linear Simultaneous Equation with help of Cramer's Rule.		17		
V	Index Numbers- Price Index Number: Simple Price Relative, Weighted Price Index Number.		12		

**Suggested Reading:**

1. Bose, D., An Introduction to Mathematical Economics, Himalaya Publishing House, New Delhi.
2. Yamane, T., Mathematics for Economists- An Elementary Survey, Prentice Hall of India, New Delhi.

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*Rajp*

3. Allen, R.G.D., Mathematical Analysis for Economists, A.I.T.B.S., Publishers and Distributors, Delhi.
4. Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill.
5. Monga, G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi.
6. Gupta, S.P., Statistical Methods, Sultan Chand, New Delhi.
7. Agrawal, D.R., Quantitative Methods, Vrinda Publications, Delhi.
8. Hindi Books
9. Gupta, K.L., ParimanatmakTakniken, NavyugSahitySadan, Agra.
10. Aggarwal, D.R., PrarambhikGanitiyArthshastra, Vrinda Publication, New Delhi.
11. Gupta, K.L., Ravikan Agarwal & Praveen Jain, Arthashastra Ki Aadharbhoot ParimanatmakVidhiyan, Navneet Prakashan, Agra.
12. Gupta, K.L. & S.K. Gupta, UcchtarSankhiyiki, Navneet Prakashan, Agra.
13. Singh, S.P., SankhiyikiKeMoolTatva, S. Chand, New Delhi.
14. Gupta, S.P., SankhyikiKe Siddhant, New Delhi.
15. Lohani, Jitendra Kumar &Padam S. Bisht, Arthashastra Mein GanitiyEvmSankhikiya Vidhiyan, Kunal Books, New Delhi.

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**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.

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*M. A. Mandala* *I. Basu* *J. S. S. H. J. S.*  
*R. Ray*

<b>Bachelor in Economics</b>		
Programme : Bachelor in Economics	Year 3	Semester 5 Paper III
Subject : Economics		
Course Code : ECORP501	Course Title : Field Survey	
Credits : 4 Credits	Core Compulsory	
Max. Marks :100	Min. Passing Marks:33	
Total No. of Lectures – Practical (in hours per week) : 4-0-0		

Note : The student will be required to collect information on any economic activity.

This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their Diploma in Economics.

Suggested Continuous Evaluation (25 Marks):

Course Prerequisites: Must have cleared Diploma in Economics.

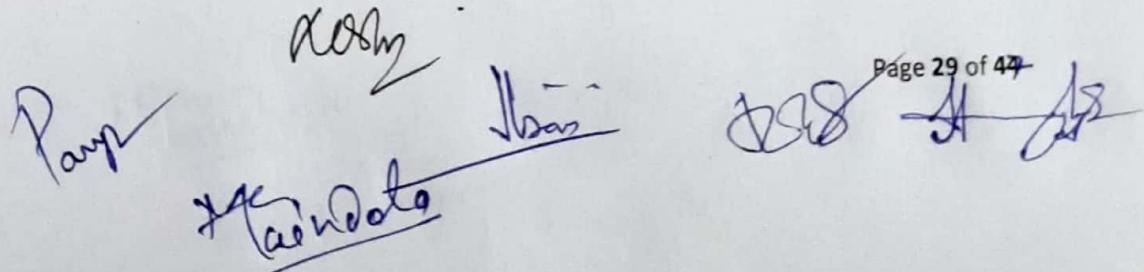
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<b>Bachelor in Economics</b>				
<b>Programme : Bachelor in Economics</b>	<b>Year 3</b>	<b>Semester 6 Paper I</b>		
<b>Subject : Economics</b>				
<b>Course Code :</b> <b>ECOMJ601</b>	<b>Course Title : Economic Growth &amp; Development</b>			
<b>Course Outcomes :</b>				
1. The students will be able to understand the development theories along with the conceptual issues in growth and development.				
2. The students will be able to understand the concept of demographical development of India, its demographic features and HDI.				
<b>Credits : 5 Credits</b>	<b>Core Compulsory</b>			
<b>Max. Marks :75</b>	<b>Min. Passing Marks: 25</b>			
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>				
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>		
<b>I</b>	Meaning and Measurement of Economic Growth and Development, Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic Growth and Development: Economic and Non-economic factors.	14		
<b>II</b>	Concept of Poverty and Inequality, Vicious cycle of poverty, Lorenz Curve. Concept of Human Development :Physical Quality of Life Index (PQLI), Human Development Index (HDI), Gender Development Index (GDI), Human Poverty Index (HPI) & Purchasing Power Parity (PPP).	16		
<b>III</b>	Economic Models: Adam Smith, Ricardo, Malthus and Marxian theory of Capitalist Development. Schumpeter Model.	15		
<b>IV</b>	Theories of Development: Vicious Circle Theory, Theory of Big Push, Critical Minimum Effort Thesis, Theory of Low-Level Equilibrium Trap, Balanced and Unbalanced Growth.	16		
<b>V</b>	Sectoral Priorities and Development: Role of Agriculture, Industry and Service Sector.	14		

**Suggested Reading :**

16. Ghatak, S., (1986), An Introduction to Development Economics, Allen and Unwin, London.
17. Thriwall, A. P., (1978), Growth and Development, McMillan, London.
18. Meier, G.M., (1984) : Leading Issues in Economic Development, Oxford University Press, New
19. Higgins, B. (1959) : Economic Development, Norton , New York


 A cluster of handwritten signatures and initials in blue ink, including "Rajesh", "Ivan", "Hans", "S.S.", and "A.J.S.", along with some smaller, less legible marks.

20. Kindlerberger, C.P. and B. Harrik (1983) : Economic Development, McGraw-Hill, Tokyo.
21. Salvatore, D. and E. Dowling (1977) : Development Economics, Schuam's Outline Series in Economics, McGraw
22. Agarwal, A. N. and S.P. Singh, (Eds.) (1985) : Economics of Underdevelopment O.U.P., Lon.
23. Adelman I (1969) : Theories of Economic Growth and Development, Stanford University Press, Stanford
24. Sen, A.K. (ed.) (1971) : Growth Economics, Penguin, Harmondsworth.
25. Sundaram, R.M. (1984) : Development Economics : A Framework for Analysis and Policy.
26. Chenery, H. : Redistribution with Growth, Oxford University Pre
27. Todaro, M.P. : Economic Development, Longman, Lond
28. United Nations : Human Development Report.
29. 14. Misra, S.K.&V.K. Puri, Economics of Growth and Development, Himalaya Publishing House, Mumbai.

**Suggested online link :**

www.ignou

www.swayam

www.inflibnet

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their **Diploma in Economics**.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared **Diploma in Economics**.

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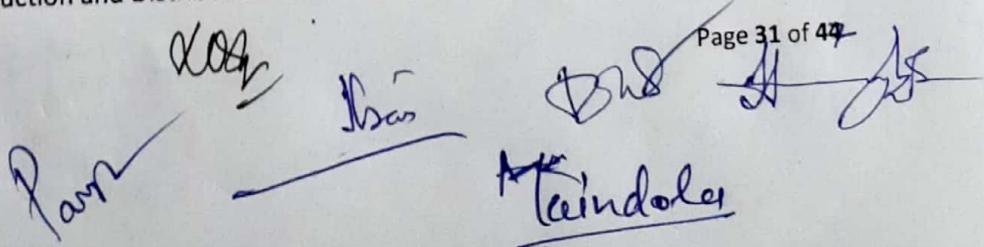
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<b>Bachelor in Economics</b>				
<b>Programme :Bachelor in Economics</b>	<b>Year 3</b>	<b>Semester 6</b>		
<b>Paper II(a)</b>				
<b>Subject : Economics</b>				
<b>Course Code: ECOMJE601</b>	<b>Course Title : History of Economic Thought</b>			
<b>Course Outcomes:</b>				
1. The students will come to know the thoughts of Mercantilism and Physiocracy.				
2. The students will come to know about Classical period thinkers in economics.				
3. The students will know about Nationalist & Welfare Economists.				
<b>Credits : 5 Credits</b>	<b>Core Compulsory</b>			
<b>Max. Marks :75</b>	<b>Min. Passing Marks: 25</b>			
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>				
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>		
I	Economic Ideas of Mercantilism, Economic Ideas of Physiocrats	10		
II	Classical Period: Adam Smith, J.B.Say, David Ricardo Thomas R. Malthus	15		
III	Socialists and Associationism — St. Simon and Simonians, Sismondi, Robert Owen,Karl Marx —LabourTheory of Surplus Value	15		
IV	Nationalist, Mathematical and Austrian School& Welfare Economist - Fredrick List, Irving Fisher, Karl Menger, Pigou &Keyens.	15		
V	Indian Economist: Narouji, Ranade, Gandhian Economics, Gokhle, J.K. Mehta, Amartya Sen, DeenDayal Upadhyay.	20		

**Suggested Readings :**

1. Schumpeter, J.A.: A History of Economic Analysis.
2. Stigler, G.J.: Essays in the History of Economics.
3. Dobb, Maurice: Theories of Value and Distribution since Adam Smith.
4. Obrien: Classical Theory of Value and Distribution.
5. Gide and Rist : History of Economic doctrines. (fgUnh :ikUrj)
6. Meek, R.L.: Physiocracy.
7. Meek R.L.: The Labour Theory of Value.
8. Ricordo, David: Principles of Political Economy and Taxation Edited by P. Sraffa.
9. Smith, A.: Wealth of Nations, Book I, Chap. I to X.
10. Blaug, Mark: Economic Theory in Retrospect.
11. Stigler, G.J.: Production and Distribution Theories.

Page 31 of 42


 A cluster of handwritten signatures and initials in blue ink, including "Kos", "Bas", "D.S.", "H.J.", and "Taindole", all written diagonally across the page.

12. Roll, Eric: History of Economic Thought.
13. Haney: History of Economic Thought.
14. Sheshadri, G.B.: Economic Doctrines.
15. Ganguli, B.N.: Indian Economic Thought: A 19th Century Perspective.
- 16<sup>v</sup> वी०सी० सिन्हा, आर्थिकविद्यारों का इतिहास, एस० बी० पी० डी० पब्लिकेशनआगरा।

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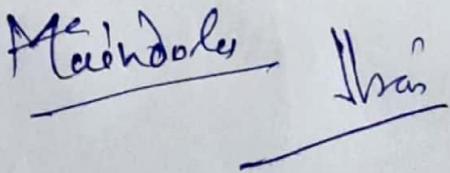
[www.ignou](http://www.ignou.ac.in)  
[www.swayam](http://www.swayam.gov.in)  
[www.inflibnet](http://www.inflibnet.ac.in)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their Diploma in Economics.

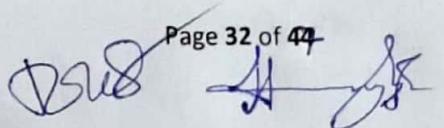
**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.



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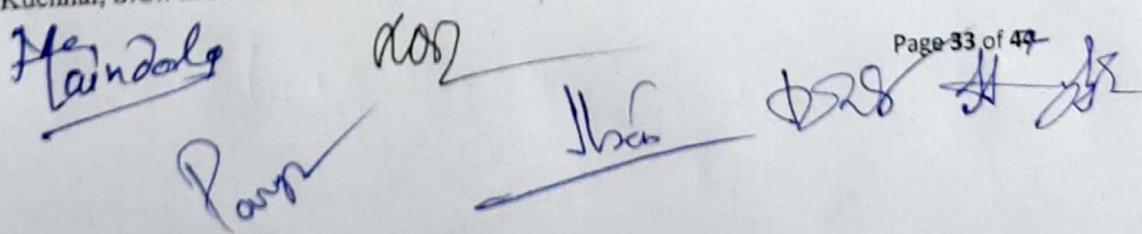


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<b>Bachelor in Economics</b>				
<b>Programme : Bachelor in Economics</b>	<b>Year 3</b>	<b>Semester 6 Paper II(b)</b>		
<b>Subject : Economics</b>				
<b>Course Code : ECOMJE602</b>	<b>Course Title : Basics of Industrial Economics</b>			
<b>Course Outcomes :</b>				
1. The students will come to know about Industrial Process, growth of Firm and Process of Innovation.				
2. The students will study rationalism and effects of globalization on industry.				
<b>Credits : 5 Credits</b>	<b>Core Compulsory</b>			
<b>Max. Marks :75</b>	<b>Min. Passing Marks: 25</b>			
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>				
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>		
I	Scope and Method of Industrial Economics. Industrial Efficiency: Organisational Form and Alternative Motives of the Firm. Efficiency and Size of the Firm. Concept and Measurement of Profitability. Determinants of Profitability.	15		
II	Growth of the Firm. Conceptual Framework for the Theory of Growth of the Firm . Pricing Decisions: General Situations for Pricing Decisions. Pricing Procedures. Pricing in Public Enterprises.	15		
III	Process of Innovation.. Theory of Technological Innovation. Production Control. Cost Control.. Quality Control, Financial Structure of the Firm – Components of Funds. Role, Nature, Volume and Types of Institutional Finance.	15		
IV	Theories of Industrial Location – Weber and Sargent Florence. Determinants of Industrial Location. Approaches to Industrial Location Analysis. Operational Approaches to Industrial Location. Industrial Location Trends in India.	15		
V	Industrialisation: Rationale, Objectives, Strategies and Policies. Industrialisation and Regional Development. Employment Implications of Industrialisation. Need for Government Intervention in Industry. New Industrial Policy of India.	15		

**Suggested Readings :**

1. Ahluwalia, I.J.: Industrial Growth in India, OUP, New Delhi.
2. Barthwal, R.R.: Industrial Economics, Wiley Eastern, New Delhi.
3. Jalal, R.S.: "Industrial Entrepreneurship", Anmol Publication, New Delhi.
4. Cherunilam, F.: Industrial Economics: Indian Perspective, Himalaya Publishing House, Mumbai.
5. Desai, B.: Industrial Economy in India, Himalaya Publishing House, Mumbai.
6. Hay,D. and D.J.Morris: Industrial Economics: Theory and Evidence, OUP, New Delhi.
7. Kuchhal, S.C.: Industrial Economy of India, Chaitanya Publishing House, Allahabad.


 Handwritten signatures and marks are present at the bottom of the page, including a large signature that appears to read "Hansda", a date "10/02", initials "R.P.", and other smaller handwritten marks and signatures.

8. Government of India: Economic Survey (Annual).
9. Smith, D.M.: Industrial Location: An Economic and Geographical Analysis, John Wiley, New York.
10. Mamoria and Mamoria: Dynamics of Industrial Relations in India, Himalaya Publishing House, Mumbai.

**Suggested online link :**

[www.ignou](http://www.ignou.ac.in)

[www.swayam](http://www.swayam.gov.in)

[www.inflibnet](http://www.inflibnet.ac.in)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their **Diploma in Economics**.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared **Diploma in Economics**.

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<b>Bachelor in Economics</b>						
Programme : Bachelor in Economics	Year 3	Semester 6				
			Paper II(c )			
Subject : Economics						
Course Code : ECOMJE603	Course Title : Economy of Uttarakhand					
Course Outcomes :						
1. The course introduces about the economy of Uttarakhand and demographic profile of Uttarakhand.						
2. The student will learn agriculture and industrial profile of Uttarakhand economy.						
3. The student will come to know about various poverty alleviation programmes in Uttarakhand.						
4. The students will come to know about various employment generation programmes in Uttarakhand.						
Credits : 5 Credits	Core Compulsory					
Max. Marks : 75	Min. Passing Marks: 25					
Total No. of Lectures – Practical (in hours per week) : 4-0-0						
Unit	Topics	No. of Lectures				
I	Economy of Uttarakhand - Introduction & Characteristics. Demographic Profile of Uttarakhand. Natural Resources in Uttarakhand.	10				
II	Agricultural Profile – Agriculture& allied sector in Uttarakhand. Animal Husbandry and Dairy Farming in Uttarakhand. Problems in Agriculture Sector.	15				
III	Industrial Profile of Uttarakhand - Heavy Industries, MSME in Uttarakhand, New Industrial Policies. Problems of Village and Cottage Industries.	15				
IV	Tourism sector in Uttarakhand. Problems of Migration & Reverse Migration in Uttarakhand. Role of Women in Uttarakhand's Economy.	15				
V	Unemployment and Poverty in Uttarakhand. Various Poverty Alleviating Programmes in Uttarakhand. Mukhyamantri Saur Swarojgar Yojna, Veer Chandra Singh Garhwali Yojna, National Rural Livelihood Mission, National Urban Livelihood Mission.	20				

#### Suggested Readings :

1. Pandey, P.C., D.C. Pandey, P.S. Bisht, Rajnish Pande :Economy of Uttaranchal Profile and Dynamics of Change, co-ed. Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
2. Pandey, R.K., Rajnish Pande&Padam S. Bisht : Economy of Uttaranchal - Profile and Dynamics of Change, co-ed., Anamika Publishers & Distributors (P) Ltd., New Delhi.
3. Bisht, Padam S.; Tourism Development in Kumaon, Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
4. Lohani, Jitendra Kumar &Padam S. Bisht: Uttarakhand Ki Arthvyavastha, Kunal Books, New Delhi.

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*Page 35 of 47*

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**Suggested online link :**

[www.ignou](http://www.ignou)

[www.swayam](http://www.swayam)

[www.inflibnet](http://www.inflibnet)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their **Diploma in Economics.**

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.

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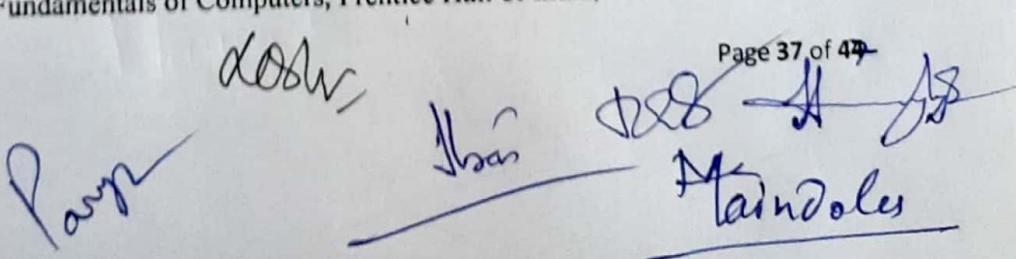
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<b>Bachelor in Economics</b>						
<b>Programme : Bachelor in Economics</b>		<b>Year 3</b>	<b>Semester 6 Paper II(d)</b>			
<b>Subject : Economics</b>						
<b>Course Code : ECOMJE604</b>	<b>Course Title : Basics of Computer Application in Economics</b>					
<b>Course Outcomes :</b>						
1. The students will come to know about various devices related to computer system. 2. The students will come to know about the number system used in computer system. 3. The students will get familiar with various types of Basic Computer Application software's. 4. The students will come to know about word processing software and internet.						
<b>Credits : 5 Credits</b>	<b>Core Compulsory</b>					
<b>Max. Marks : 75</b>	<b>Min. Passing Marks: 25</b>					
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>						
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>				
I	Introduction to computer system, uses, types. Data Representation: Number systems and character representation, Components of Computer System. binary. Devices: Input and output devices. Memory: Primary, Secondary, & Auxiliary Memory. Printers and it's types - impact and non-impact printers.	15				
II	Number system - Binary number system, Octal & Hexa-Decimal system. Arithmetic operations of Binary Numbers. Overview of Emerging Technologies: Bluetooth, cloud computing, big data, datamining, mobile computing and embedded systems. Use of Computers in Education and Research: Data analysis, e-Library, Google Scholar	15				
III	Types of software, Operating system as user interface & utility programs - Operating System, Application Programme, Programming Language. Virus & Antivirus Softwares.	15				
IV	Introduction to Word Processing Software - MS-Office & Introduction to Desktop Publishing. Spreadsheet and database package software - MS-Excel & Introduction to MS-Access. Data Presentation Software - MS-Powerpoint.	15				
V	Introduction to Internet – Browsers – Search Engine - WWW – Internet Protocols – FTP – TELNET – HTTP - E-mail –How to create E-mail – Internet Vs Intranet - Webpage – URL.	15				

**Suggested Readings :**

1. Sanders, D.H.: Computers Today, McGraw Hill, New York.
2. Sinha, P.K.: Computer Fundamentals, BPB Publications, New Delhi.
3. Rajaraman, V.: Fundamentals of Computers, Prentice Hall of India, New Delhi.

Page 37 of 47

  
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**Suggested online link :**

[www.ignou](http://www.ignou.ac.in)

[www.swayam](http://www.swayam.gov.in)

[www.inflibnet](http://www.inflibnet.ac.in)

**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their **Diploma in Economics**.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have cleared Diploma in Economics.

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Page 38 of 44

<b>Bachelor in Economics</b>		
Programme : Bachelor in Economics	Year 3	Semester 6 Paper III
Subject : Economics		
Course Code : ECORP601	Course Title : Research Project	
Credits : 4 Credits		Core Compulsory
Max. Marks : 100		Min. Passing Marks:33
Total No. of Lectures – Practical (in hours per week) : 4-0-0		
<b>Note:</b> The Research Project will be based on Primary /Secondary Data.		

**Note :-**The students are required to prepare a research project of 30-50 pages based on Primary / Secondary data on the topic allotted by the concerned teacher.

**This course can be opted as an elective by the students of following subjects:** Those students who have successfully qualified Diploma in Economics are eligible for this course.

**Course Prerequisites:** Successfully completion of Diploma in Economics.

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Page 39 of 47

## **Minor Elective**

**[ 4 Credits ]**

- *Fundamentals of Economics*
- *Indian Economy & Economy of Uttarakhand*

[ Note :- Minor Elective Paper to be opted by students of other Department. ]

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Certificate Course in Fundamentals of Economics				
Programme : <i>Certificate Course in Fundamentals of Economics</i>	Year 1	Semester 1 or 2 Paper II		
Subject : Economics				
Course Code : ECOMIE101	Course Title : Fundamentals of Economics			
<b>Course Outcomes :</b>				
1. The student will come to know about the fundamentals of Economics. 2. The student will come to know about Micro & Macro Economics. 3. The student will get familiar with various economic systems. 4. The students will learn Banking system & Public Finance.				
Credits : 4 Credits	Minor Elective			
Max. Marks : 75	Min. Passing Marks: 25			
Total No. of Lectures – Practical (in hours per week) : 4-0-0				
Unit	Topics	No. of Lectures		
I	Meaning, nature & Scope of Micro Economics. Concept of Cardinal & Ordinal approach of Utility. Indifference Curve Analysis. Consumer Equilibrium. Concept of Demand.	13		
II	Meaning, Nature & Scope of Macro Economics. Type of Macro Economics. Circular flow of Income. Concept of Inflation and Employment.	13		
III	Capitalist, Socialist & Mixed Economy. Problems of Resource Allocation.	12		
IV	Types & Classification of Money. Central Bank - RBI. International & Inter -regional Trade.	12		
V	Meaning & Scope of Public Finance. Concept of Direct & Indirect Tax.	10		

**Suggested Readings :**

1. Chaturvedi, D.D. & Anand Mittal; Principles of Macro Economics ; Kitab Mahal, Delhi
2. Mithani, D.M. : Macro Economics.
3. Ackley, G. : Macroeconomics: Theory and Policy.

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**Suggested online link :**

[www.ignou](http://www.ignou.ac.in)  
[www.swayam](http://www.swayam.gov.in)  
[www.inflibnet](http://www.inflibnet.ac.in)

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Page 41 of 44

*D. S. S. - H. J. S.*

This course can be opted as an elective by the students of following subjects: The course can be opted by those students who have cleared their 10+2 or equivalent examination in any stream.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have basic knowledge of Economics.

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<b>Certificate Course in Fundamentals of Economics</b>		
<b>Programme :Diploma in Economics</b>	<b>Year 1</b>	<b>Semester 3 or 4 Paper II</b>
<b>Subject : Economics</b>		
<b>Course Code : ECOMIE101</b>		<b>Course Title : Indian Economy &amp; Economy of Uttarakhand</b>
<b>Course Outcomes :</b>		
1. The student will come to know about the fundamentals of Indian Economy. 2. The student will get familiar to the Economy of Uttarakhand.		
<b>Credits : 4 Credits</b>	<b>Minor Elective</b>	
<b>Max. Marks :75</b>	<b>Min. Passing Marks: 25</b>	
<b>Total No. of Lectures – Practical (in hours per week) : 4-0-0</b>		
<b>Unit</b>	<b>Topics</b>	<b>No. of Lectures</b>
I	Structure and Features of Indian Economy. Introduction to Agriculture, Industrial & Tertiary Sectors in Indian Economy.	12
II	Features & Demographic Profile of India. Success story of Indian Plans & NITI AAYOG.	12
III	Features of Economy of Uttarakhand. Agriculture and Industrial Profile of Uttarakhand.	12
IV	Migration and Reverse Migration in Uttarakhand.	12
V	Role of Tourism and Women in economic development of Uttarakhand.	12

**Suggested Readings :**

1. Agrawal, A.N. : Indian Economy, WishwaPrakashan, New age International (P) Limited, New Delhi.
2. Misra, S. K. & V. K.Puri : Indian Economy.
3. RuddarDatt& K. M..P.Sundharam: Indian Economy, S. Chand, New Delhi.
4. Bimal Jalan : Problems of Indian Economy.
5. Pandey, P.C., D.C. Pandey, P.S. Bisht, Rajnish Pandey :Economy of Uttarakhand Profile and Dynamics of Change, co-ed. Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
6. Pandey, R.K., Rajnish Pande &Padam S. Bisht : Economy of Uttarakhand - Profile and Dynamics of Change, co-ed., Anamika Publishers & Distributors (P) Ltd., New Delhi.
7. Bisht, Padam S.; Tourism Development in Kumaon, Anamika Publishers & Distributors Pvt. Ltd. New Delhi.
8. Lohani, Jitendra Kumar &Padam S. Bisht: Uttarakhand Ki Arthvyavastha, Kunal Books, New Delhi.

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[www.swayam](http://www.swayam.gov.in)  
[www.inflibnet](http://www.inflibnet.ac.in)

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**This course can be opted as an elective by the students of following subjects:** The course can be opted by those students who have cleared their 10+2 or equivalent examination in any stream.

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria –

[ Assignment (10 Marks) + Assignment Presentation (10 Marks) + Attendance (5 Marks) ]

**Course Prerequisites:** Must have basic knowledge of Economics.

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## Vocational/Skill Development Course in Economics Department

Vocational Course-01		
Programme: Certificate Course in Economics	Year : First	Semester-I Paper- I VC
Subject : Economics		
Course Code: ECOVC -01	Course Title: DATA ANALYSIS	
Course outcome:	1. Building knowledge and understanding of collection and presentation of data for drawing statistical inferences. 2. To introduce the students the important data sources that is available. 3. To train the students in the use of free statistical software to analyse data.	
Credit: 3 (Three)	Elective	
Maximum marks: 25+75	Minimum Passing Marks: 33	
Total no. of lectures-tutorials-practical(labour per week):3-0-0		
Unit	Topic	No. of lectures
Unit 1	Collection of data- Primary and Secondary. Census and Sampling. Methods of data collection .Classification and Tabulation of data. Diagrammatic and Graphical representation of data	15
Unit 2	Measures of Central Tendency-Arithmetic mean Median, Mode, Geometric mean and Harmonic mean .Measures of dispersion- Standard Deviation, Skewness.	15
Unit 3	Simple Correlation: Karl Pearson and Rank Correlation. Basics of Index numbers :Price and quantity index numbers	15

**Suggested Readings:**

Allen, R.G.D., Mathematical Analysis for Economists, Macmillan Press and ELBS, London.  
 Chiang, A.C., Fundamental Methods of Mathematical Economics, McGraw Hill, New York.  
 Gupta, S.C., Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi. Monga, G.S., Mathematics and Statistics for Economists, Vikas Publishing House, New Delhi. Speigal, M.R., Theory and Problems of Statistics, McGraw Hill Book Co., London.

**Suggested on line link:** [www.ignou](http://www.ignou.ac.in) ,[www.swayam](http://www.swayam.gov.in).

**This course can be offered as an elective by the students of following subjects:** Open to all

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria – Assignment /Assignment Presentation/ Class Test/Seminar/ Attendance

Course Prerequisites: N/A

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### Vocational/Skill Development Course in Economics Department

Vocational Course-02				
Programme: Certificate Course in Economics	Year : First	Semester-II Paper- II VC		
Course code: ECOVC-02	Course Title: Environmental Economics			
<b>Course outcome:</b>				
1. To learn an economic approach to environmental problems. 2. To understand complementary view of environmental economics. 3. To develop economic tool kit to evaluate applied problems.				
Credit: 3 (Three)	Elective			
Maximum marks: 25+75	Minimum passing marks: 33			
Total no. of lectures-tutorials-practical(labour per week):3-0-0				
Unit	Topic	No. of lectures		
Unit 1	<b>Environment and Economics:</b> 1. Fundamental concepts of Environmental Economics 2. Meaning, nature and scope of Environmental Economics 3. Environmental pollution- air, water and deforestation 4. Inter-linkages between Environment and Economics 5. Economics of Natural Resources- land, air and water	<b>15</b>		
Unit 2	<b>Environment and Development :</b> 1. Environment and Economic Growth: 2. Concepts of Sustainable Development 3. Policy Approach of Sustainable Development 4. Role of State in Environmental Conservation 5. People's participation in management of Natural Resources	<b>15</b>		
Unit 3	<b>Environmental issues:</b> 1. Global warming 2. Climate change 3. Green House Effect, Ozone Depletion 4. Acid Rain 5. Biodiversity Conservation , Chipko movement	<b>15</b>		

**Suggested readings:**

Bhattacharya,RN(ed)Environmental Economics: An Indian perspective, Oxford New Delhi

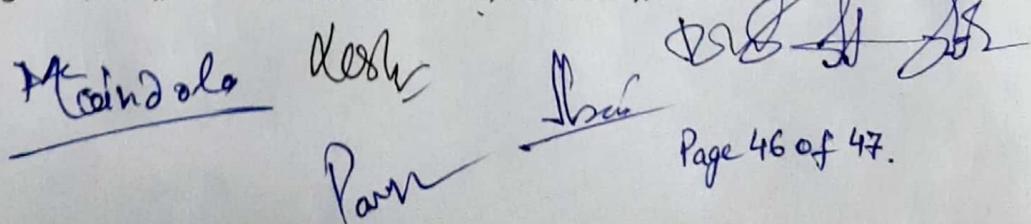
Boumal,W.J. and W.E. Oats,(1998), The Theory of Environmental Policy, Cambridge University Press

Bromely, D.W.(ed)Hand Book of Environmental Economics, Blackwell, London

P.Das Gupta and K.G. Miller,(1997)The Environmental and Emerging Development Issues

Ram Prasad Sen Gupta(2007)Ecology and Economics, Oxford New Delhi

Seneca, Joseph,J.Taussig M.K.(1979),Environmental economics, New Jersey, Prentice Hall.

  
 Handwritten signatures and initials are present at the bottom right of the page, including "M. S. S. S.", "Keshav", "Parv", and "P. S. S." A handwritten note "Page 46 of 47." is also visible.

**Suggested online link:**

[www.ignou](http://www.ignou.ac.in)

[www.swayam.](http://www.swayam.ac.in)

**This course can be offered as an elective by the students of following subjects: Open to all**

**Suggested Continuous Evaluation (25 Marks):** The suggested continuous evaluation will have the following criteria – Assignment /Assignment Presentation/ Class Test/Seminar/ Attendance

Course Prerequisites: N/A

