<p align="center">**Subject:Economics**</p>

Program Outcomes: 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.

Course Outcomes

	Subject: Economics
	Programme: Certificate Course in Fundamentals of Economics
Course Title	**Course Outcomes**
Basics of Microeconomics	The course will help in: • Study of micro economics enables the students to have an understanding of theoretical aspects of the subject. • Students are able to understand and define the basic concepts like consumer behavior,production, demand and supply etc. • 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.
Basics of Macroeconomics	• Students learn about macroeconomics and different theories regarding the determination of income and employment by different economists. • They learn about the consumption and investment functions. And also, about the functioning of multiplier process. • Students learn about money and banking and become able to know about the theories of inflation and Unemployment etc.
	PROGRAMME: Diploma in Economics
Course Title	Course Outcomes
Basics of Public Finance	1. The students will familiar with Maximum Social Advantage. 2. The students get enabled to know Public Expenditure, Public Revenue and Public Debt.
Money, Banking & International Trade	Course Outcomes: 1. The students will understand the concept of money and banking. 2. The students will learn Indian monetary system and its working.

	Programme: Bachelor in Economics
Course Title	**Course Outcome**
Indian Economy	Course Outcomes: 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.
Basics of Labour Economics	Course Outcomes: 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.
Basics of Agriculture Economics	Course Outcomes: 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.
Basics of Demography	Course Outcomes: 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,
Basic Quantitative Techniques in Economics	Course Outcomes: 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
Economic Growth & Development	Course Outcomes: 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.
History of Economic Thought	Course Outcomes: 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.
Basics of Industrial Economics	Course Outcomes: 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
Economy of Uttarakhand	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.

Certificate in Arts			
Programme : Certificate in Arts		**Year 1**	**Semester 1 Paper I**
Subject : Economics			
Course Code : ECOMJ101	**Course Title : Basics of Microeconomics**		
Course Outcomes: The course will help in: ● Study of micro economics enables the students to have an understanding of theoretical aspects of the subject. ● Students are able to understand and define the basic concepts like consumer behavior,production, demand and supply etc. ● Students will learn about the price and output determination of the firm and industry under different market forms.			
Credits : 6 Credits		**Core Compulsory**	
Max. Marks :75		**Min. Passing Marks: 25**	
Total No. of Lectures – Practical (in hours per week) : 4-0-0			
Unit	**Topic**		**No. of Lectures**
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

Certificate in Arts

Programme : Certificate in Arts		Year 1	Semester 2 Paper I
Subject : Economics			
Course Code : ECOMJ201	**Course Title : Basics of Macroeconomics**		

Course Outcomes:
- Students learn about macroeconomics and different theories regarding the determination of income and employment by different economists.
- They learn about the consumption and investment functions. And also, about the functioning of multiplier process.
- Students learn about money and banking and become able to know about the theories of inflation and Unemployment etc.

Credits : 6 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	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

Diploma in Arts			
Programme : Diploma in Arts		**Year 2**	**Semester 3 Paper 1**
Subject : Economics			
Course Code : ECOMJ301	**Course Title : Basics of Public Finance**		
Course Outcomes : **1. The students will familiar with Maximum Social Advantage.** **2. The students get enabled to know Public Expenditure, Public Revenue and Public Debt.**			
Credits : 6 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	Public Finance: Meaning, Nature, Scope and Importance. Principle of Maximum Social Advantage.	16
II	Public Expenditure: Meaning, Scope, Canons, Classification and Importance. Effects of Public Expenditure. Causes for an increasing in Public Expenditure.	20
III	Public Revenue: Meaning, Sources. Taxation: Meaning, Effects. Characteristics, Objectives and Canons of taxation. Direct and Indirect Taxes.	20
IV	Public Debt : Meaning, Objectives and Sources. Effects and Burden of Public Debt. Types of Public Debt. Methods of Debt Redemption.	18
V	Deficit Financing and Objectives of Fiscal Policy in Developing Economy.	16

<table>
<tr><td colspan="4" align="center">**Diploma in Arts**</td></tr>
<tr><td colspan="2">**Programme : Diploma in Arts**</td><td>**Year 2**</td><td>**Semester 4**
Paper I</td></tr>
<tr><td colspan="4" align="center">**Subject: Economics**</td></tr>
<tr><td>**Course Code: ECOMJ401**</td><td colspan="3">**Course Title: Money, Banking & International Trade**</td></tr>
<tr><td colspan="4">**Course Outcomes:**
1. The students will understand the concept of money and banking.
2. The students will learn Indian monetary system and its working.</td></tr>
<tr><td colspan="2">**Credits : 6 Credits**</td><td colspan="2">**Core Compulsory**</td></tr>
<tr><td colspan="2">**Max. Marks :75**</td><td colspan="2">**Min. Passing Marks: 25**</td></tr>
<tr><td colspan="4">**Total No. of Lectures – Practical (in hours per week) : 4-0-0**</td></tr>
</table>

Unit	Topics	No. of Lectures
I	Nature, Functions, Significance and Classification of Money. Role of Money in Capitalist, Socialist and Mixed Economies.	15
II	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
III	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
IV	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
V	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

Bachelor in Arts			
Programme : Bachelor in Arts		**Year 3**	**Semester 5 Paper I**
Subject : Economics			
Course Code : ECOMJ501	**Course Title : Indian Economy**		
Course Outcomes: **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**		**No. of Lectures**
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).DeenDayalUpoadhyaya National Rural Livelihood Mission (DDU-NRLM)		18

Bachelor in Arts

Programme : Bachelor in Arts		Year 3	Semester 5 Paper II(a)
Subject : Economics			
Course Code : ECOMJE501	**Course Title : Basics of Labour Economics**		
Course Outcomes : **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. Characterstics of Indian Industrial Labour Market. Migratory Character. Absentiesm, Labour Turnover. Unemployment – Causes, Types and Remedies., Recruitment of Industrial Labour : Through intermediately, Direct & Contract.	16
II	Types of Wage Determining Theory - Classical & Modern. Various Concept of Wages – Minimum Wage, Fair Wage and Living Wage. Organised and UnorganisedLabour, 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

Bachelor in Arts

Programme : Bachelor in Arts		Year 3	Semester 5 Paper II(b)
Subject : Economics			
Course Code : ECOMJE502	**Course Title : Basics of Agriculture Economics**		
Course Outcomes: **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.**			
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	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

Bachelor in Arts

Programme : Bachelor in Arts		**Year 3**	**Semester 5** **Paper II(c)**
Subject : Economics			
Course Code: ECOMJE503	**Course Title: Basics of Demography**		

Course Outcomes:
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,

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 ,Scope&Importance of Demography. Theories of Population: Malthusian Theory, Optimum Theory& Theory of Demographic Transition.	15
II	Fertility Statistics :- Crude Birth Rate (CBR), Age Specific Fertility Rate (ASFR), General Fertility Rate (GFR), Total Fertility Rate (TFR); Mortality Statistics :- Maternal Age, Death Rate, Infant Mortality Rate (IMR). Child Health in India. Basic concepts of 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

<table>
<tr><td colspan="4" align="center"><h2>Bachelor in Arts</h2></td></tr>
</table>

Bachelor in Arts			
Programme : Bachelor in Arts		**Year 3**	**Semester 5 Paper II(d)**
Subject: Economics			
Course Code: ECOMJE504	**Course Title: Basic Quantitative Techniques in Economics**		
Course Outcomes: 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**	
Total No. of Lectures – Practical (in hours per week) : 4-0-0			
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)			

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

Bachelor in Arts

Programme : Bachelor in Arts	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		

Bachelor in Arts

Programme : Bachelor in Arts		Year 3	Semester 6 Paper I
Subject : Economics			
Course Code : ECOMJ601	Course Title : Economic Growth & Development		
Course Outcomes : 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.			
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	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
II	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
III	Economic Models: Adam Smith, Ricardo, Malthus and Marxian theory of Capitalist Development. Schumpeter Model.	15
IV	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
V	Sectoral Priorities and Development: Role of Agriculture, Industry and Service Sector.	14

Bachelor in Arts			
Programme :Bachelor in Arts		Year 3	Semester 6 Paper II(a)
Subject : Economics			
Course Code: ECOMJE601	Course Title : History of Economic Thought		
Course Outcomes: 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.			
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	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

Bachelor in Arts			
Programme : Bachelor in Arts		**Year 3**	**Semester 6 Paper II(b)**
Subject : Economics			
Course Code : ECOMJE602	**Course Title : Basics of Industrial Economics**		
Course Outcomes : **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.**			
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	Scope and Method of Industrial Economics. Industrial Efficiency: Organisational Form and Alternative Motives of the Firm. Efficiency and Size of the Firm. Basic concepts of Demand Analysis & Forecasting. Concept & 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

Bachelor in Arts			
Programme : Bachelor in Arts		**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 &Characterstics. 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. MukhyamantriSwarozgaarYojna. Mukhyamantri Saur SwarozgarYojna, Veer Chandra Singh Garhwali Yojna, National Rural Livelihood Mission, National Urban Livelihood Mission.	20

Bachelor in Arts

Programme : Bachelor in Arts		Year 3	Semester 6 Paper II(d)
Subject : Economics			
Course Code : ECOMJE604	**Course Title : Basics of Computer Application in Economics***		

Course Outcomes :
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.

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	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

Bachelor in Arts			
Programme : Bachelor in Arts		**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			
Note: **The Research Project will be based on Primary /Secondary Data.**			

<table>
<tr><td colspan="4" align="center">**Certificate in Arts**</td></tr>
<tr><td colspan="2">**Programme :***Certificate in Arts*</td><td>**Year 1**</td><td>**Semester 1 or 2 Paper II**</td></tr>
<tr><td colspan="4" align="center">**Subject : Economics**</td></tr>
<tr><td colspan="2">**Course Code : ECOMIE101**</td><td colspan="2">**Course Title : Fundamentals of Economics**</td></tr>
<tr><td colspan="4">**Course Outcomes :**
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.</td></tr>
<tr><td colspan="2">**Credits : 4 Credits**</td><td colspan="2">**Minor Elective**</td></tr>
<tr><td colspan="2">**Max. Marks :75**</td><td colspan="2">**Min. Passing Marks: 25**</td></tr>
<tr><td colspan="4">**Total No. of Lectures – Practical (in hours per week) : 4-0-0**</td></tr>
</table>

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

Diploma in Arts			
Programme :*Diploma in Arts*		**Year 1**	**Semester 3 or 4 Paper II**
Subject : Economics			
Course Code : ECOMIE101	**Course Title : Indian Economy & Economy of Uttarakhand**		
Course Outcomes : **1. The student will come to know about the fundamentals of Indian Economy.** **2. The student will get familiar to the Economy of Uttarakhand.**			
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	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