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**VEER NARMAD SOUTH GUJARAT UNIVERSITY**  
University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

**વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી**

યુનિવર્સિટી કંપસ, ઉદ્ધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

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## -: પરિપત્ર :-

વિનયન વિદ્યાશાખા હેઠળની સંલગ્ન અર્થશાસ્ત્ર વિષય ચલાવતી અનુસ્નાતક કોલેજોનાં આચાર્યશ્રીઓ તથા ડિપાર્ટમેન્ટ નાં વડાશ્રીઓને જણાવવાનું કે, અર્થશાસ્ત્ર વિષયની અભ્યાસસમિતિની તા.૦૬/૦૩/૨૦૧૯ની સભાનાં ઠરાવ ક્રમાંક: ૫ અન્વયે નીમલ પેટાસમિતિએ તૈયાર કરેલ અર્થશાસ્ત્ર વિષયનો શૈક્ષણિક વર્ષ ૨૦૧૯-૨૦ થી અમલમાં આવનાર M.A. Sem-I & Sem-II નો અર્થશાસ્ત્ર વિષયનો નીચે મુજબનો રેગ્યુલર અભ્યાસક્રમ અભ્યાસસમિતિવતી અભ્યાસસમિતિ નાં અધ્યક્ષશ્રીએ મંજૂર કરી વિનયન વિદ્યાશાખાને કરેલ ભલામણ વિનયન વિદ્યાશાખાની તા.૨૫/૦૪/૨૦૧૯ ની સભાનાં ઠરાવ ક્રમાંક : ૨૭ અન્વયે સ્વીકારી એકેડેમિક કાઉન્સિલને કરેલ ભલામણ એકેડેમિક કાઉન્સિલએ તેની તા.૦૭/૬/૨૦૧૯ ની સભાના ઠરાવ ક્રમાંક:૭૯ અન્વયે સ્વીકારી મંજૂર કરેલ છે. તેની જાણ સંબંધકર્તા શિક્ષકો અને વિદ્યાર્થીઓને કરવી, તદ્દુપરાંત તેનો અમલ કરવો.

**વિનયન વિદ્યાશાખાની તા.૨૫/૦૪/૨૦૧૯ની સભાનાં ઠરાવ ક્રમાંક: ૨૭**

:: આથી ઠરાવવામાં આવે છે કે, પેટાસમિતિએ તૈયાર કરેલ અર્થશાસ્ત્ર વિષયનો શૈક્ષણિક વર્ષ ૨૦૧૯-૨૦ થી અમલમાં આવનાર M.A. Sem-I & Sem-II નો અર્થશાસ્ત્ર વિષયનો નીચે મુજબનો રેગ્યુલર અભ્યાસક્રમ સ્વીકારી એકેડેમિક કાઉન્સિલને ભલામણ કરવામાં આવે છે.

### રેગ્યુલર

Paper	M.A. - Sem-I	M.A. - Sem-II
Paper-I	CC-01 Micro Economics - I	CC-04 Micro Economics -II
Paper-II	CC-02 Macro Economics - I	CC-05 Macro Economics -II
Paper-III	CC-03 Quantitative Methods for Economics-I	CC-06 Quantitative Methods for Economics-II
Paper-IV	EC-01 (A) Industrial Economics-I OR EC-01 (B) Economics of Human Resources (Education) OR EC-01 Agriculture Economics-I OR EC-01(D) Econometrics-I	EC-02(A) Industrial Economics-II OR EC-02 (B) Economics of Human Resources (Health)-II OR EC-2I(C) Agriculture Economics-I OR EC-02(D) Econometrics-II
Paper-V	ID-1(A) Research Methodology-I OR ID-1(B) Indian Political system-II OR ID-1(C)Fundamental of Accountancy-I OR ID-1(D) Economics of Infrastructure -I	ID-2(A) Research Methodology-II OR ID-2(B) Indian Political system-II OR ID-2(C) Fundamental of Accountancy-II OR ID-2(D) Economics of Infrastructure-II
Paper-VI	Term Paper-I	Term Paper-II

**એકેડેમિક કાઉન્સિલની તા.૦૭/૦૬/૨૦૧૯ ની સભાનાં ઠરાવ ક્રમાંક: ૭૯**

:: આથી ઠરાવવામાં આવે છે કે, વિનયન વિદ્યાશાખાએ તેની તા. ૨૫/૦૪/૨૦૧૯ ની સભાના ઠરાવ ક્રમાંક : ૨૭ અન્વયે ભલામણ કરેલ શૈક્ષણિક વર્ષ ૨૦૧૯-૨૦ થી અમલમાં આવનાર M.A. Sem-I & Sem-II નો અર્થશાસ્ત્ર વિષયનો અભ્યાસક્રમ સ્વીકારી મંજૂર કરવામાં આવે છે.

બિડાણ: ઉપર મુજબ

ક્રમાંક : એકે./પરિપત્ર/૧૦૪૬૬/૧૯

તા. ૨૧-૦૬-૨૦૧૯

ઈ.ચા. કુલસચિવ

પ્રતિ,

- ૧) વિનયન વિદ્યાશાખા હેઠળની સંલગ્ન તમામ અનુસ્નાતક કોલેજોનાં આચાર્યશ્રીઓ તથા ડિપાર્ટમેન્ટના વડાશ્રી.
- ૨) અધ્યક્ષશ્રી, વિનયન વિદ્યાશાખા
- ૩) પરીક્ષા નિયામકશ્રી, પરીક્ષા વિભાગ, વીર નર્મદ દ. ગુ. યુનિવર્સિટી, સુરત.

.....તરફ જાણ તેમજ અમલ સારૂ.

Veer Narmad South Gujarat University,  
Surat.

Master of Arts (Economics)

**NEW SYLLABUS**  
**Agriculture Economics**

Of

Semester 1 and 2

Applied from 2019-2020

## SEMESTER – I

### EC- 01 AGRICULTURAL ECONOMICS – I

#### **1: Introduction to Agricultural Economics** [25%]

Nature and Scope of Agricultural Economics – Role of Agriculture in Economic Development – Special Characteristics of the Primary Sector – Interdependence Between Agriculture and the Rest of the Economy.– Agricultural Statistics in India: Coverage, Sources and Reliability.

#### **2: Models of Agricultural Development** [25%]

Transformation of Traditional Agriculture : The Schultsian Theory – Mellor's Theory of Agricultural Development – Boserup's Theory of Agricultural Development – Lewis Model of Economic Development – Ranis-Fei Model of Economic Development – Nelson's Low Level Equilibrium Trap Theory.

#### **3: Sustainable Agricultural Development:** [25%]

Sustainable Agricultural Development (Samposhit Krushi Vikas) – Organic Farming – Green House Farming - Development and Problems of Agricultural Allied Activities (Animal Husbandry – Dairy – Fishing – Poultry farm – Forest etc.) – Forest Resources – Types of Forests – Major and Minor Forest Product – Joint Forest Management - Problems of Deforestation - Environment Problems and Agriculture – Biodiversity

#### **4: Topic of Production Economics; Cost & Farm Management** [25%]

Introduction – Efficiency of Resource use – Technical, Allocative and Economic Efficiency – Technological Change – Adoption & Diffusion of New Technology – Risk and Uncertainty – Duality - Cost Concept – Farm Management. Farming Organisation: Corporate Agriculture – Contract Farming - Farm size and Productivity Debate

## SEMESTER – I

### EC- 01 AGRICULTURAL ECONOMICS – I

૧: કૃષિ અર્થશાસ્ત્ર પરિચય

(૨૫%)

કૃષિ અર્થશાસ્ત્રનું સ્વરૂપ અને લક્ષણો - આર્થિક વિકાસમાં કૃષિની ભૂમિકા - પ્રાથમિક ક્ષેત્રની ખાસ લાક્ષણિકતાઓ - કૃષિ અને અર્થતંત્ર બાકી ક્ષેત્રો વચ્ચે આંતરસબંધો - ભારતમાં કૃષિ આંકડા: કવરેજ, સ્ત્રોતો અને વિશ્વસનીયતા

૨ : કૃષિ વિકાસ મોડેલ

(૨૫%)

પરંપરાગત કૃષિ રૂપાંતર - શુલ્ક મોડેલ - મેલોરનું કૃષિ વિકાસનું મોડેલ - બોઝરૂપનું કૃષિ વિકાસનું મોડેલ - લેવીસનું કૃષિ વિકાસ મોડેલ - રેનીસ ફેનું કૃષિ વિકાસ મોડેલ - નેલ્શન નિમ્ન સ્તર સમતુલા ટ્રેપ થિયરી

૩ : ટકાઉ કૃષિ વિકાસ

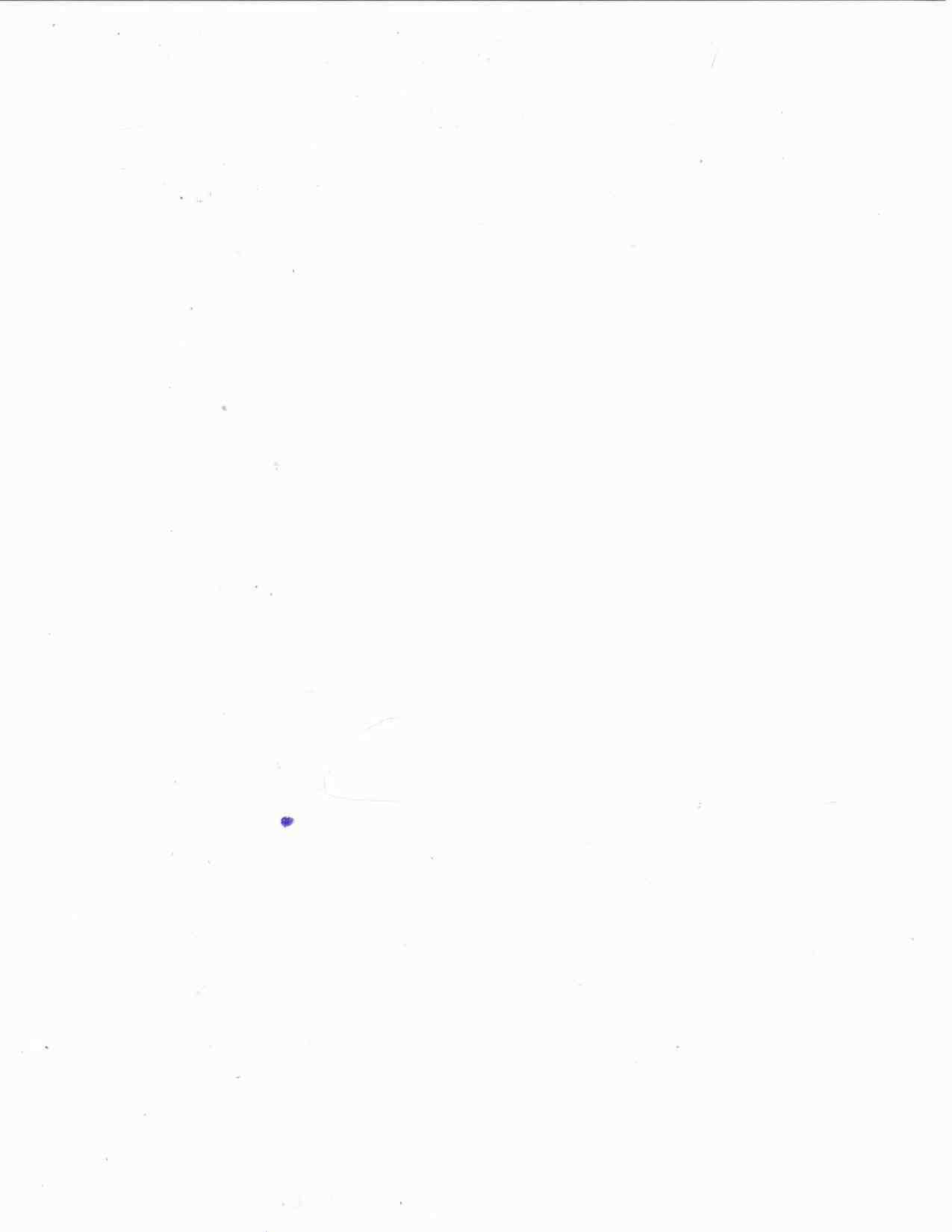
(૨૫%)

ટકાઉ કૃષિ વિકાસ (સંપોષિત કૃષિ વિકાસ) - સજીવ ખેતી - ગ્રીન હાઉસ ખેતી - કૃષિ સંલગ્ન પ્રવૃત્તિઓનો વિકાસ અને પ્રશ્નો (પશુપાલન - ડેરી - માછીમારી - મરઘાં બટકા ઉછેર - જંગલ વગેરે) - જંગલ સંશાધનો - જંગલોના પ્રકાર - મુખ્ય અને ગૌણ જંગલ પેદાશ - સંયુક્ત (સહિયારું) જંગલ વ્યવસ્થાપન - વનનાબૂદીની સમસ્યાઓ - પર્યાવરણ પ્રશ્નો અને ખેતી - જૈવવિવિધતા

૪ : ઉત્પાદન અર્થશાસ્ત્ર વિષય : ખર્ચ & ખેત સંચાલન

(૨૫%)

કાર્યક્ષમ સાધન વપરાશ - ટેકનિકલ, ફાળવણી અને આર્થિક કાર્યક્ષમતા - તકનીકી ફેરફાર - નવી ટેકનોલોજીનો સ્વીકાર અને પ્રસારણ - જોખમ અને અનિશ્ચિતતા - દ્વેતભાવ - ખર્ચ ખ્યાલ - ખેત સંચાલન - ખેત સંગઠન - કોર્પોરેટ ખેતી - કોન્ટ્રેક્ટ ખેતી - ખેડાણ ઘટક અને ઉત્પાદકતા ચર્ચા



## References:

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## SEMESTER – II

### EC- 02 AGRICULTURAL ECONOMICS - II (PROBLEMS OF INDIAN AGRICULTURE AND POLICY)

#### **1: Development Problem of Indian Agriculture** [25%]

Importance of Agriculture in Indian Economy - Agricultural Productivity per Workers, per Hectare - Causes of low Productivity – Soil conservation in India – Economic Development and Declining Importance of Agriculture - Problem of Agriculture Modernization – Agriculture Vis-a-Vis Industrial Development. - Land Utilization Pattern – Cropping Pattern - Area Under Food and Non Food Grains – Land Holding and Land Holding Pattern in India

#### **2: Agricultural Inputs, Agricultural Finance and Marketing** [25%]

Irrigation – Need for Irrigation – Sources of Irrigation – Source wise Development of Irrigation – Water Resources – Problems in the Development of Irrigation –HYV – Fertilizer. Agricultural Finance –NABARD – Co-operative Credit System –The Problems of Rural Indebtedness – Agricultural Insurance - Agriculture Marketing and Warehousing in India – Agmarknet.

#### **3: Food Problem and Green Revolution** [25%]

Food Security in India – Nature – Features of Indian Diet – Food Problem after Independence- Measures to Solve the Food Problems - Food Policy –Food Security Act. – Food Subsidy - Public Distribution System (PDS) – Minimum Support Price (MSP) – Procurement Price (PP) – Issue Price (IP) - Green Revolution

#### **4: Land Reforms and Agricultural Taxation & Terms of Trade** [25%]

Land Reforms in India – Bhudan & Gramdan -Land Tenure System and Land Reforms Objectives – Evaluation of Land Reforms Policy – Suggestion for Improvement – Agro-Climatic Planning –Agricultural Taxation – Debate on Direct Taxes. Terms of Trade Between Agricultural and Non-Agricultural

## SEMESTER – II

### EC- 02 AGRICULTURAL ECONOMICS - II (PROBLEMS OF INDIAN AGRICULTURE AND POLICY)

૧ : ભારતીય કૃષિ વિકાસના પ્રશ્નો (૨૫%)

ભારતીય અર્થતંત્રમાં કૃષિનું મહત્વ - શ્રમદીઠ ખેત ઉત્પાદકતા - હેક્ટર દીઠ ઉત્પાદકતા - નીચી ઉત્પાદકતાના કારણો - ભારતમાં માટી સંરક્ષણ - આર્થિક વિકાસ અને કૃષિનું ઘટતું જતું મહત્વ - કૃષિ આધુનિકીકરણની સમસ્યા - કૃષિ વિકાસ સામે ઔદ્યોગિક વિકાસ - જમીન વપરાશ તરાહ - પાક તરાહ - ખાદ્ય અને બિન-ખાદ્ય પાકો હેઠળનો વિસ્તાર - ભારતમાં જમીન ધારણ અને જમીન ધારણ તરાહ

૨: ખેત નીપજકો, ખેત વિત્તવ્યવસ્થા અને બજાર (૨૫%)

સિંચાઈ - સિંચાઈની જરૂરિયાત - સિંચાઈના સ્ત્રોત - સ્ત્રોત પ્રમાણે સિંચાઈ વિકાસ - જળ સંશાધન - સિંચાઈ વિકાસની સમસ્યા - ઉંચી ઊપજ આપતા બિયારણો - રાસાયણિક ખાતર - ખેત વિત્તવ્યવસ્થા - નાબાઈ - સહકારી ધિરાણ વ્યવસ્થા - ગ્રામીણ દેવાના બોજાની સમસ્યા - કૃષિવીમો - ભારતમાં કૃષિ બજાર અને કોઠાર - એગમાર્ગનેટ

૩ : અન્ન સમસ્યા અને હરિયાણી ક્રાંતિ (૨૫%)

ભારતમાં અન્ન સુરક્ષા - કુદરત - ભારતીય આહારના લક્ષણો - આઝાદી પછી અન્ન સુરક્ષાના પ્રશ્નો - અન્ન સમસ્યા ઉકેલવા માટે પગલાં - અન્ન નીતિ - અન્ન સુરક્ષા કાયદો - અન્ન સબસીડી - જાહેર વિતરણ વ્યવસ્થા - લઘુત્તમ ટેકાના ભાવ - પ્રાપ્તિ ભાવ - જારી કરાયેલ ભાવ - હરિયાણી ક્રાંતિ

૪ : જમીન સુધારણા અને કૃષિ કરવેરા & વ્યાપારની શરતો (૨૫%)

ભારતમાં જમીન સુધારણા - ભૂદાન અને ગ્રામદાન - જમીન હક પદ્ધતિ અને જમીન સુધારણાના હેતુઓ (ઉદ્દેશો) - જમીન સુધારણા નીતિનું મૂલ્યાંકન - સુધારા માટેના સૂચનો - એગ્રી-કલાઈમેટ આયોજન - કૃષિ કરવેરા - સીધા કરવેરાની ચર્ચા - કૃષિ અને બિન-કૃષિ ક્ષેત્રે વ્યાપારની શરતો

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CC-02 Macro Economics : I

Weightage

Unit 1 : Nation Income and Social Accounting

[25%]

- Concept, importance, methods for calculations, limitations
- Circular flow of income – two ,three and four sector economy
- National income and economic welfare.
- Social accounting – concept, importance.
- House hold, firms , government, capital account

Unit 2 : Inflation ,Deflation and Stagflation

[25%]

- Inflation,deflation-meaning.Demand pull and cost push inflation, inflationary and deflationary gap. Control of inflation
- Phillips curve hypothesis, short run- long run Phillips curve, natural rate of unemployment hypothesis
- Stagflation – meaning,causes and measures.
- Friedman-Phelps model of stagflation.

Unit 3 : Demand for money and Supply of money

[25%]

- Demand for money – concept. Keynesian, Post Keynesian approaches- Friedman,Baumol and Tobin.
- Supply of money – concept, RBI approach to money supply, factors affecting money supply, control of money supply.
- High powered money and money multiplier

Unit 4 : Rate of interest and policies

[25%]

- Rate of interest - Concept,interest rate differentials
- Theories : Loanable Funds,Wicksell's and Keynes.
- Macroeconomic policy –meaning, importance, objectives, instruments and limitations.

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- Inbox 989+
- Unread
- Starred
- Drafts 137
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**KZ** kirti zankharia <zankharia.kirti@yahoo.com>  
 To: mahilaarts334@gmail.com  
 Apr 5 at 4:53 PM

— Forwarded Message —  
**From:** kirti zankharia <zankharia.kirti@yahoo.com>  
**To:** kirti zankharia <zankharia.kirti@yahoo.com>  
**Sent:** Friday, April 5, 2019 4:20 PM  
**Subject:** Macro Economics M.A. Sem.I,II



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M.A. Sem - I (Effective from - 2019-20)

CC-02\_Macro Economics I.I

Unit 1 : Nation Income and Social Accounting

- Concept, importance, methods for calculations, limitations
- Circular flow of income – two three and four sector economy
- National income and economic welfare.
- Social accounting – concept, importance.
- House hold, firm, government, capital account

Unit 2 : Inflation, Deflation and Stagflation

- Inflation, deflation – meaning Demand pull and cost push inflation, inflationary and deflationary gap. Control of inflation
- Phillips curve hypothesis, short run, long run Phillips curve, natural rate unemployment hypothesis
- Stagflation – meaning, causes and measures.
- Friedman-Phelps model of stagflation.

Unit 3 : Demand for money and Supply of money

- Demand for money – concept, Keynesian, Post Keynesian approacher Friedman, Baumol and Tobin.
- Supply of money – concept, Hill approach in money supply, factors affecting money supply, control of money supply.
- High powered money and money multiplier

Unit 4 : Rate of Interest and activities

એમ.એ. સેમ-૧

CC-0૨ સમગ્રલક્ષી અર્થશાસ્ત્ર-પેપર-૧

ભારાંક (Weightage)

એકમ-૧ રાષ્ટ્રીય આવક અને સામાજિક હિસાબ

(૨૫%)

- રાષ્ટ્રીય આવકનો ખ્યાલ, મહત્વ, ગણતરીની પદ્ધતિઓ, મર્યાદાઓ
- રાષ્ટ્રીય આવકનો ચક્રીય પ્રવાહ- બે, ત્રણ અને ચાર ક્ષેત્રવાળું અર્થતંત્ર
- રાષ્ટ્રીય આવક અને આર્થિક કલ્યાણ
- સામાજિક હિસાબો- ખ્યાલ, મહત્વ
- ઘરગથ્થુ પેઢી, સરકાર અને મુડી ખાતું

એકમ-૨ કુગાવો, ભાવારોહ અને મંદીજન્ય કુગાવો

(૨૫%)

- કુગાવો, ભાવારોહ-અર્થ, માંગજન્ય કુગાવો અને ખર્ચપ્રેરિત કુગાવો, કુગાવાજન્ય ખાધ અને મંદીજન્ય ખાધ, કુગાવાનું નિયંત્રણ
- ફિલિપ્સ વક્રની પરિકલ્પના-ટુંકાગાળા અને લાંબાગાળાનો ફિલિપ્સ વક્ર, બેકારીના કુદરતી દરની પરિકલ્પના
- મંદીમિશ્રિત કુગાવો: અર્થ, કારણો અને ઉપાયો
- ફ્રીડમેન અને ફેલ્પસનું મંદીમિશ્રિત મોડેલ

એકમ-૩ નાણાંની માંગ અને નાણાંનો પૂરવઠો

(૨૫%)

- નાણાંની માંગનો ખ્યાલ, કેઇન્સીયન અને કેઇન્સ પછીના અભિગમો- મિલ્ટન ફ્રીડમેન બોમલ-ટોબીનનો અભિગમ.
- નાણાંના પુરવઠાનો ખ્યાલ, નાણાંના પુરવઠા અંગે RBI નો અભિગમ, નાણાંના પુરવઠાને અસર કરતા પરિબલો, નાણાંના પુરવઠાનું નિયંત્રણ.
- ઉચ્ચ સત્તાધીશ નાણું અને નાણાં ગુણક

એકમ-૪ વ્યાજનો દર અને નીતિઓ

(૨૫%)

- વ્યાજનો દર: ખ્યાલ, વ્યાજદર ભિન્નતા
- વ્યાજના દર અંગેના સીધાંતો: ધિરાણ ભંડોળ, વિકસેલ અને કેઇન્સ
- સમગ્રલક્ષી આર્થિક નીતિ: અર્થ, મહત્વ, હેતુઓ, સાધનો અને મર્યાદાઓ

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**M.A. Sem – II (Effective from- 2019-20)**

**CC-05 Macro Economics : II**

Weightage

**Unit 1 : Consumption function , Investment function** [25%]

- Keynes law of consumption function, factors affecting consumption function, measures to increase consumption spending.
- Relative income, Absolute income, Life cycle , Permanent income hypothesis
- Investment function – meaning, types, motivations for investment.
- Marginal efficiency of capital and rate of interest, factors affecting marginal efficiency of capital.

**Unit 2 : Business cycle** [25%]

- Meaning, phases, control of business cycle.
- Hayek, Hicks, Cob-Web theory of business cycle.
- The real business cycle theory

**Unit 3 : AD-AS and IS-LM model** [25%]

- General equilibrium model – IS-LM, Extension of IS-LM
- Classical and Keynesian views on income determination – AD/AS model
- AD-AS model and relative effectiveness of monetary and fiscal policies.

**Unit 4 : Modern Macro Economics** [25%]

- Adaptive and rational expectation theory
- Supply side economics
- Monetarism vs. Keynesianism.
- New Keynesian economics.

એમ.એ. સેમ.-II (Effective From 2019-20)

CC-05 સમગ્રલક્ષી અર્થશાસ્ત્ર-પેપર-૨

ભારાંક (Weightage)

એકમ-૧ વપરાશ વિધેય, મૂડી રોકાણ વિધેય

(૨૫%)

- કેઈન્સનો વપરાશ અંગેનો નિયમ
- વપરાશ વિધેયને અસર કરતા પરિબલો, વપરાશ ખર્ચને વધારવા માટેના ઉપાયો
- સાપેક્ષ આવક અને નિરપેક્ષ આવક, આજીવન ચક્રનો ખ્યાલ, કાયમી આવકનો ખ્યાલ
- મૂડી રોકાણ વિધેય- અર્થ, પ્રકાર, મૂડીરોકાણને પ્રોત્સાહિત કરનાર પરિબલો
- અર્થ, મૂડીની સીમાંત કાર્યક્ષમતા અને વ્યાજના દર
- મૂડીની સીમાંત કાર્યક્ષમતાને અસર કરતા પરિબલો

એકમ-૨ વેપાર ચક્ર

(૨૫%)

- અર્થ- વેપાર ચક્રના તબક્કાઓ અને નિયંત્રણ
- વેપાર ચક્રના સિધાંતો- હાયકે, હિક્સ અને કોબ-વેબનો સિધાંત
- વેપાર ચક્રનો વાસ્તવિક સિધાંત

એકમ-૩ AD/AS અને IS/LM મોડેલ

(૨૫%)

- સામાન્ય સમતુલા મોડેલ- IS/LM મોડેલ, IS/LMનું વિસ્તરણ
- AD/AS મોડેલ: આવક નિર્ધારણ અંગેનો પ્રશિષ્ટ અને કેઈન્સનો અભિગમ
- AD/AS મોડેલ અને નાણાકીય તથા રાજકોષીય નીતિની સાપેક્ષ અસરકારકતા

એકમ-૪ આધુનિક સમગ્રલક્ષી અર્થશાસ્ત્ર

(૨૫%)

- અનુકુલનશીલ અને તર્કબધ અપેક્ષાઓ
- પૂરવઠા બાજુનું અર્થશાસ્ત્ર
- કેઈન્સવાદ વિરુદ્ધ નાણાવાદ
- નૂતન કેઈન્સીયન અર્થશાસ્ત્ર

## REFERENCES :- Macro Economics

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- Agrawal V. (2010) Macro Economics: Theory and Policy, Dorling Kindersley (India) Pvt. Ltd.
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Veer Narmad South Gujarat University, Surat

Effective from June - 2019

M.A. Economics – Semester – I

ID – I: Paper – V (A): Research Methodology – I

**Unit – I: Type of Research and Approaches**

[25%]

Meaning of Research – Research in Social Sciences – Use of social science research - Criteria of good research -Type of Research: Deductive Vs Analytical, Applied Vs Fundamental, Quantitative Vs Qualitative, Conceptual Vs Empirical – Applied research, Exploratory research, Descriptive research, Action research, Evaluation research, Experimental research, Empirical research, Survey research, Field investigation research, Ex-post facto research, historical research, Case study - Steps in Research Process

**Unit – II: Research Design and Review of Literature**

[25%]

Essentials of research design – Need for research design – Classification of research design – Causation and experimental design – Exploratory study – Descriptive study – Errors in research design – Types of research errors: Researcher error, Interviewer error, Respondent error – Purpose and objectives of review of literature – Types of literature – Literature search procedure – Sources of literature – Importance of review of literature

**Unit – III: Type of Data and Scale of Measurements**

[25%]

Meaning of data – Types of Data: Cross section data, Time series data, Panel data – Primary data and Secondary data: Advantages and Disadvantages – Documentary sources of data - Selection of Measurement scale -Measurement scales: Ratio Scale, Nominal scale, Ordinal Scale, Interval Scale, Likert Scale – Rating scale and Ranking scale – Criteria for good scale - Quantitative data and qualitative data - Sources of error in measurement - Sources of secondary data in India

**Unit – IV: Methods of Primary Data Collection**

[25%]

Primary data collection – Observation method: Direct observation, indirect observation – Interview Method: Advantages and Disadvantages of interview method, Points to be considered while using the interview method, Long or In-depth interview method – Questionnaire method: Construction of questionnaire, sequence of questions, questions formulation and wording, Points to be considered while preparing questionnaire – Pre- test and pilot study - Focus group discussion: Conducting focus group discussion – Limitations of primary data – Case study method

## સંદર્ભસૂચી

- (૧) દેસાઈ હરિભાઈ જી અને દેસાઈ કૃષ્ણકાંત જી (૧૯૯૭), સંશોધન પદ્ધતિઓ અને પ્રવિધિઓ, ગુજરાત ગ્રંથ નિર્માણ બોર્ડ
- (૨) શાહ એ. જી. અને દવે જગદીશ કે (૨૦૦૭), સામાજિક સંશોધન પદ્ધતિઓ, અનાડા બુક ડીપો, અમદાવાદ
- (૩) શુક્લ ગજેન્દ્ર બી અને નાયક આર કે (૨૦૧૬), સંશોધન પદ્ધતિઓ, ન્યુ પોપ્યુલર પ્રકાશન, સુરત
- (૪) ઉચાટ ડી એ (૨૦૧૨), શિક્ષણ અને સામાજિક વિજ્ઞાનોમાં સંશોધનનું પદ્ધતિશાસ્ત્ર, પારસ પ્રકાશન, રાજકોટ

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- 3) Bryman Alan (2012), Social Research Methods (4th Ed), Oxford University, Press, New York
- 4) Bryman Alan; Bell Emma (2007), Business Research Methods (2<sup>nd</sup> Ed.); Oxford University Press, New York.
- 5) Cauvery R & Sudha Nayak U.K. (2005), Research Methodology; S.Chand & Company Ltd.,New Delhi.
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- 13) Popper, K.R. (1959), The Logic of Scientific Discovery, New York, NY: Basic Books.
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- 17) Sharma K.R (2002), Research Methodology; National Publishing House, Jaipur.
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**Veer Narmad South Gujarat University, Surat**

Effective from June - 2019

M.A. Economics – Semester – II

**ID – II: Paper – V (A): Research Methodology – II**

**Unit – I: Population and Sampling with Sampling Techniques [25%]**

Meaning of population and sample: Advantages and disadvantages – Stages of sampling scheme: Type of universe, sampling unit, source list, size of sample, expenditure, process of sampling – Types of sampling techniques – Probability sampling: Simple random, Systematic random, Stratified, Cluster, Multi stage cluster – Non Probability Sampling: Convenience, Judgement, Quota, Snow ball – Characteristics of good sample – Planning of sampling - Sampling and non-sampling errors

**Unit – II: Ethical Issues in Research [25%]**

Ethical principles: Harm to participants, Lack of informed constant, Invasion of privacy, Deception – Stakeholders in research: Public, Respondents, Clients, Researcher – Reasons for biased research – Code of ethics in research: For research practitioners, For user of research, For field investigator – Ethics and research process – Importance of ethics in research – Ethics and the issue of quality – The difficulties of ethical decision making

**Unit – III: Hypothesis testing [25%]**

Hypothesis – Meaning – Functions of Hypothesis – Characteristics of hypothesis – Types of hypothesis – Errors in testing of hypothesis – Test of hypothesis – Probability - Theoretical probability distributions useful in testing of hypothesis: Normal distribution, Chi-square distribution, t-distribution, F-distribution – Examples of test of hypothesis – Z test, t-test , Chi-square test: Goodness of fit, test of independence

**Unit – IV: Steps in Writing Report, Research Proposal and Methods for Preparing References [25%]**

Significance of report writing – Different steps in report writing: Logical analysis of subject matter, preparation of the final outline, preparation of rough draft, Rewriting and polishing of rough draft, Preparing the final bibliography, Writing the final draft – Citations and foot notes – Writing a research proposal: Concept of research proposal, questions of research, objective of study, testing of hypothesis, study design, measurement and research method, sampling, analysis of data, structure of report, problems and limitations, work schedule – Use of references – Different citation style: America Psychological Association (APA) with examples – Modern Language Association (MLA) with examples

## સંદર્ભસૂચી

- (૧) દેસાઈ હરિભાઈ જી અને દેસાઈ કૃષ્ણકાંત જી (૧૯૯૭), સંશોધન પદ્ધતિઓ અને પ્રવિધિઓ, ગુજરાત ગ્રંથ નિર્માણ બોર્ડ
- (૨) શાહ એ. જી. અને દવે જગદીશ કે (૨૦૦૭), સામાજિક સંશોધન પદ્ધતિઓ, અનાડા બુક ડીપો, અમદાવાદ
- (૩) શુક્લ ગજેન્દ્ર બી અને નાયક આર કે (૨૦૧૬), સંશોધન પદ્ધતિઓ, ન્યુ પોપ્યુલર પ્રકાશન, સુરત
- (૪) ઉચાટ ડી એ (૨૦૧૨), શિક્ષણ અને સામાજિક વિજ્ઞાનોમાં સંશોધનનું પદ્ધતિશાસ્ત્ર, પારસ પ્રકાશન, રાજકોટ

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- 9) Kumar Ranjit (2008), Research Methodology- A Step by Step Guide for Beginners, Pearson Education, New Delhi
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**VEER NARMAD SOUTH GUJARAT UNIVERSITY**  
**M.A. SEMESTER – I**  
**CC- 06 QUANTITATIVE METHODS FOR ECONOMICS - I**  
**SYLLABUS**

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- Unit -1: Introduction to Statistics & Measures of Central Tendency** [10]  
Statistics: Definitions, Data, Frequency Distribution, Measures of Central Tendency: Mean Median, Mode, Their Merits and Demerits.
- Unit -2: Dispersion and Skewness** [10]  
Range; Mean Deviation, Variance, Standard Deviation, Properties and their merits and Demerits - Coefficient of Variation its uses. Skewness – Definition – types.
- Unit -3: Equations– Set Theory and Limit** [10]  
Rules. Equations - Linear, Quadratic and Simultaneous-Their applications in Economics.  
Set theory-Definition-types -Applications in Economics. Limit of function- Rules - applications in Economics
- Unit -4: Functions** [10]  
Various types of functions, functions used in Economic Linear and quadratic functions-Graph, interpretation of parameters-applications- Homogeneous function-applications.

**References: (for Statistics)**

1. A L Nagar And R K Das (1983): Basic Statistics, Oxford University Press, New Delhi, 2<sup>nd</sup> Ed.
2. Chandan J (1998): Statistics for Business and Economics, Vikas Publishing House, New Delhi
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9. Nagar A L (1997): Basic Statistics, Oxford University Press, New Delhi, 15<sup>th</sup> Ed.
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SYLLABUS

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એકમ :૧ – આંકડાશાસ્ત્રનો પરિચય અને કેન્દ્રીયવલણના માપદંડ

આંકડાશાસ્ત્રની વ્યાખ્યા, માહિતી, આવૃત્તિ વિતરણ, કેન્દ્રીયવલણના માપદંડ: મધ્યક, મધ્યસ્થ, બહુલકના ગુણ-દોષ

એકમ –૨: પ્રસરમાન અને વિષમતા

વિસ્તાર, સરેરાશ વિચલન, વિચરણ, પ્રમાણિત વિચલનના ગુણધર્મો અને ગુણ-દોષ- ચલનાંક અને તેનો ઉપયોગ. વિષમતાની વ્યાખ્યા અને પ્રકાર

એકમ –૩: સમીકરણો – ગણ સિદ્ધાંત અને લક્ષ્ય

સમીકરણનો – સુરેખ, દ્વિઘાત અને યુગપત સમીકરણોના નિયમો અને તેનો અર્થશાસ્ત્રમાં ઉપયોગ. ગણ સિદ્ધાંત- વ્યાખ્યા-પ્રકાર અને તેનો અર્થશાસ્ત્રમાં ઉપયોગ. વિધેયનું લક્ષ્ય – નિયમો અને તેનો અર્થશાસ્ત્રમાં ઉપયોગ

એકમ –૪ : વિધેય

વિધેયના પ્રકાર, સુરેખ અને દ્વિઘાત વિધેયનો અર્થશાસ્ત્રમાં ઉપયોગ – વિધેયના આલેખ, વિધેયના આગણક નું અર્થઘટન. સમપરિમાણ વિધેય અને તેનો ઉપયોગ

**VEER NARMAD SOUTH GUJARAT UNIVERSITY**  
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**CC-06 QUANTITATIVE METHODS FOR ECONOMICS - 2**  
**SYLLABUS**

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**Unit -1: Correlation and Regression** [10]

Scatter diagram - Pearson's product moment formula for correlation coefficient - its properties. Linear Regression - estimation of parameters - Interpretation;

**Unit -2: Theory of Probability & Index Numbers** [10]

Concept of probability - Theorem on total probability, Addition and Multiplication Theorems - Mathematical Expectation-

**Index Numbers:** - Definition, meaning, uses; Laspeyre's, Paasche's and Fisher's Index numbers; Construction of cost of living index numbers.

**Unit -3: Differential calculus** [10]

Derivative of a function: definition; rules, Interpretations. Applications in Economics - Marginal functions and Elasticities.

**Unit -3: Matrices and Determinants** [10]

Matrix- Definition, various types of matrices, applications. Determinants- definitions, Rules, application, Cramer's Rule, Inverse of a Matrix and solution of simultaneous Equations.

**References: (for Statistics)**

1. A L Nagar And R K Das (1983): Basic Statistics, Oxford University Press, New Delhi, 2<sup>nd</sup> Ed.
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10. Patel Balubhai; Dhandhakiya Ankadashastra, Uni. Granthnirman Board, Ahmedabad.(Gujarati)
11. Patel R.K. & Patel L.B.; Business Statistic, C. Jamanadas Co. Ahmedabad. (Gujarati)
12. R H Hooda (2000): Statistics For Business and Economics, Macmillan India Pvt.Ltd., New Delhi

13. Richard I Levin & David S Rubin (2000) Statistics For Management, Prentice Hall of India Ltd, 7<sup>th</sup> Ed.
14. Richard J. Larsen and Morris L. Marx, An Introduction to Mathematical Statistics and its Applications, Prentice Hall, 2011.
15. Zala M.L.:(1996) *ArthshastramaGanitshastra, PurbitiPrakashan*, Vallabh Vidyanagar. (Gujarati)

**References: (for Mathematics)**

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2. Anthony & Biggs (2000) : Mathematics For Economics and Finance, Cambridge Uni. Press
3. Berry Tanuj (1994): Mathematical Methods For Economists, Archetypal Publications, New Delhi
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9. Hooda R P (1994): Statistics for Business and Economics, Macmillan ., New Delhi
10. Martin Anthony And Norman Biggs (2000): Mathematics For Economics And Finance Methods and Modeling, Cambridge University Press, New York, 3<sup>rd</sup> Ed
11. R G D Allan (2000) : Mathematical Analysis For Economists, Macmillan, Delhi, 7<sup>th</sup> Ed.
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**એકમ :૧ –સહ સંબંધ અને નિયતસંબંધ**

વિકીર્ણ આકૃતિ - સહ સંબંધ માટેની કાર્લ પિયર્સનની ગુણન પ્રઘાતની રીત અને તેના ગુણધર્મો.  
સુરેખ નિયતસંબંધનું આગણન અને અર્થઘટન

**એકમ -૨: સંભાવનાના સિદ્ધાંતો અને સૂચકાંક**

સંભાવનાનો ખ્યાલ - કુલ સંભાવનાનો સિદ્ધાંત, સંભાવનાનો સરવાળા અને ગુણાકારનો સિદ્ધાંત,  
ગાણિતિક અપેક્ષા. સૂચકાંક વ્યાખ્યા, અર્થ, અને ઉપયોગો, લાસ્પેયાર, પાશે અને ફિશરનો  
સૂચકાંક, જીવન નિર્વાહ ખર્ચનો સૂચકાંક.

**એકમ -૩: કલનશાસ્ત્ર**

વિધય નું વિકલન : વ્યાખ્યા, નિયમો અને અર્થઘટન વિકલનનો અર્થશાસ્ત્રમાં ઉપયોગ. સીમંત  
વિધેય અને મુલ્યસાપેક્ષતા.

**એકમ -૪: શ્રેણિક અને નિશ્ચાયક**

શ્રેણિકની વ્યાખ્યા અને પ્રકારો, શ્રેણિકનો અર્થશાસ્ત્રમાં ઉપયોગ. નિશ્ચાયકના નિયમો- વ્યાખ્યા અને  
તેનો અર્થશાસ્ત્રમાં ઉપયોગ. કેમરનો નિયમ - વ્યસ્ત શ્રેણિક અને સમીકરણોનું નિરાકરણ.

**MA Semester –I**  
**EC-01- Industrial Economics-1**

એકમ- 1 : ઔદ્યોગિક અર્થ શાસ્ત્રનું કાર્ય ક્ષેત્ર અને વિષય વસ્તુ

- ઔદ્યોગિક અર્થ શાસ્ત્ર – પરિચય, વ્યાખ્યા, લક્ષણો અને કાર્ય ક્ષેત્ર
- વ્યવસાયિક પેટીનો ખ્યાલ - પ્લાન્ટ, પેટી, ઉદ્યોગ
- વ્યવસાયિક પેટીઓનમાલિકીના પ્રકાર –વ્યક્તિગત માલિકીની પેટીમાગીદારી પેટી, કોર્પોરેટ પેટી અને બહુ રાષ્ટ્રીય પેટી - અર્થ , લક્ષણો, લાભા-લાભ
- પેટીના ધ્યેયો અને સિદ્ધાંતો – બોમલ અને ચારો

એકમ-2 : બજાર માળખું

- બજાર માળખું – અર્થ અને પરિમાણો (વેચનારાઓનું ન્દિકરણપ્રસ્તુ વિભિન્નતા, બજાર પ્રવેશની શરતો, કદમાપની કરકસરો (અર્થ , લાભા-લાભ, માપનની પદ્ધતિઓ)
- બજાર માળખું અને નફાકારકતા
- નવીનીકરણ- અર્થ , પ્રકાર, ઉદ્યોગોમાં નવીનીકરણનું મહત્વ

એકમ-3 : બજાર વર્તણૂક

- ઉત્પાદન મૂલ્યનિર્ધારણપદ્ધતિઓ (ખર્ચ -વત્તાપ્તીમાં ખર્ચ રોકાણ કિંમત્તર લક્ષ્ય વળતર, સમ-વિચ્છેદ, ચાલુ દર કિંમત નિર્ધારણ, પરંપરાગત કિંમત, દ્વિભાવ નીતિ
- જોડાણ – અર્થ , પ્રકાર, લાભા-લાભ અને અસર કરતા પરિબલો
- ઔદ્યોગિક સ્થાનિયકરણ - અર્થ , સિદ્ધાંતો (વેબર, સાજન્ટ ફ્લોરેન્સ) અને અસર કરતા પરિબલો
- ઔદ્યોગિક અસમતુલા –કારણો અને પગલાં

એકમ -4 : બજાર કામગીરી

- પેટીની વૃદ્ધિ- અર્થ , પેટીની વૃદ્ધિની આવશ્યકતા, પેટીની વૃદ્ધિના અવરોધો
- પેટીની વૃદ્ધિના સિદ્ધાંતો – ડાઉની, પેનરોઝ, મારીસ મોડેલ
- ઔદ્યોગિક ઉત્પાદકતા – અર્થ માપન, અસર કરતા પરિબલો, ભારતમાં નીચી ઉત્પાદકતા કારણો અને ઉપાયો

**MA Semester –I**  
**EC-01- Industrial Economics-1**

**Unit-1 : Scope and Subject Matter of Industrial Economics**

- Industrial economics – Introduction, definition, characteristics, scope
- Concepts of business firm- plant, firm, industry
- Types of Ownership of business firms - private proprietorship, partnership firm, corporate firm, multinational firms- meaning, characteristics, advantages-disadvantages
- Objectives and Theory of firms –Baumol and Yarrow

**Unit-2 : Market Structure**

- Market structure – meaning and dimensions (Seller's concentration, product differentiation, entry condition, economies of scale(meaning, advantages-disadvantages, methods of measurement)
- Market structure and profitability
- Market structure and Innovation – Meaning, types, importance of innovation in industries

**Unit-3 : Market Conduct**

- Methods of product pricing - Cost-plus pricing, Marginal Pricing, Target return on investment pricing, Break-even pricing, Going rate pricing, Customary pricing, Dual price policy)
- Merger – Meaning, types, advantages-disadvantages, Factors affecting of merger
- Industrial location- Meaning, theory (Weber, Sargent Florence) and Factor affecting
- Industrial inequality – Causes and steps

**Unit-4 : Market Performance**

- Growth of firm- Meaning, necessity of growth of firm, Constraints of firm
- Theories of growth of firm – Dauni, Panrose , Marris Model
- Industrial Productivity– Meaning, measurement, factor affecting, causes and remedies for lower productivity in India.

**MA Semester –II**  
**EC-02- Industrial Economics-2**

એકમ-1 : ભારતમાં ઔદ્યોગિક વિકાસની તરાહ

- ઔદ્યોગિક વિકાસ અને વૃદ્ધિ-અર્થ , ભારતમાં ઔદ્યોગિક વિકાસના વલણો, સમસ્યાઓ
- ઔદ્યોગિક નીતિ- અર્થ , ઉદ્દેશો, 1991 ની નવી ઔદ્યોગિક નીતિના મુખ્ય લક્ષણો અને મૂ
- જાહેર ક્ષેત્રના ઉદ્યોગો-કામગીરી, સમસ્યાઓ, વિનિવેશીકરણ
- ખાનગી ક્ષેત્રના ઉદ્યોગો-મહત્વ અને સમસ્યાઓ

એકમ-2 : ઔદ્યોગિક નાણાં કીય વ્યવસ્થા

- નાણા બજાર અને મૂડી બજાર-અર્થ , તફાવત, કાર્યો
- સેબીના ઉદ્દેશો અને કાર્યો
- ઔદ્યોગિક ધિરાણના સ્ત્રોતો - આંતરિક અને બાહ્ય સ્ત્રોત
- વિશિષ્ટ નાણાં કીય સંસ્થાઓ (IDBI, IFCI, ICICI, UTI, SFC, SIDBI)
- વિદેશી મૂડી- જરૂરિયાત, સરકારની નીતિ, વિદેશી પ્રત્યક્ષ મૂડી રોકાણ અને વિદેશી પોર્ટફોલિયો મૂડી રોકાણ

એકમ-3 : પસંદગીના ઉદ્યોગોમાં તાજેતરની સમસ્યાઓ

- ખેતી આધારિત ઉદ્યોગોનું મહત્વ, વિકાસ અને સમસ્યાઓ
- લોખંડ-સ્ટીલકાપડ, ખાંડકોલસા, સિમેન્ટ, એન્જીનિયરિંગ ગરૂ મિકલઉદ્યોગ - વિકાસ, સમસ્યાઓ અને ઉપાયો
- ઔદ્યોગિક માંદગી - અર્થ , કારણો અને પગલાઓ
- વૈશ્વિકરણની ભારતીય ઉદ્યોગો પર અસર

એકમ-4 : નાના પાયાના ઉદ્યોગો

- ભારતમાં નાના પાયાના અને ગૃહઉદ્યોગો - વ્યાખ્યા, વિકાસ, મહત્વ, સમસ્યાઓ અને પગલાઓ
- ગુજરાતમાં નાના પાયાના ઉદ્યોગોનો વિકાસ
- મધ્યમ, નાના અને સૂક્ષ્મ સાહસો-અર્થ , મહત્વ, વિકાસ અને કામગીરી
- વિશિષ્ટ આર્થિક વિસ્તાર-અર્થ , લાભ-લાભ

**MA Semester –II**  
**EC-02- Industrial Economics-2**

**Unit-1 : Pattern of Industrial Development in India**

- Industrial development and growth - meaning, trends and problems of industrial development in India
- Industrial policy - meaning, Objectives, main characteristics and evaluating in new industrial policy 1991
- Industries of Public Sector – Performance, Problems, Disinvestment
- Industries of Privet sector- Meaning, Importance, Problems.

**Unit-2 : Industrial finance**

- Money market and Capital market – Meaning, Difference, Functions
- Objectives and functions of SEBI
- Sources of finance : Internal and External
- Special financial institutions ( IDBI, IFCI, ICICI, UTI, SFC, SIDBI )
- Foreign capital –Need, Government policy, FDI and FPI

**Unit- 3 : Current problems of selective industries**

- Agro based industries – importance, development and problems
- Iron and steel, Textile, Sugar, Coal, Cement, engineering, Chemical industries - development, problems and remedies
- Industrial sickness – meaning, causes and steps
- Impact on Indian industries of globalization

**Unit-4 : Small Scale Industries**

- SSI and Cottage industries in India- definition, difference, development, importance, problems and steps
- Development of SSI in Gujarat
- MSME – meaning, importance, development and performance
- SEZ- meaning, advantages-disadvantages

2021/22  
Veer Narmad South Gujarat University,  
Surat.

એક્ટિવિટી કોર્સિસ ના. -20  
બાબત..... વિદ્યાપરિષદ

Master of Arts (Economics)

**NEW SYLLABUS**

**Micro Economics**

Of

Semester 1 and 2

Applied from 2019-2020

**Syllabus for M.A. Economics**  
**Faculty of Arts**  
**Veer Narmad South Gujarat University**  
**M.A. Semester-I**  
**CC-01 Micro Economics-I**

• **PREAMBLE**

This paper analyses the economic behavior of individuals, firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumers' behavior and demand analysis, production theory and concepts of costs, the theory of traditional markets and equilibrium of firm in modern non-profit maximizing framework. The paper also deals with the micro and macro theories of distribution, welfare economics, general equilibrium in closed and open systems and analysis of economic behavior under uncertainty.

	<b>PERIOD</b>	<b>WEIGHTAGE</b>
<b>UNIT-1 DEMAND ANALYSIS</b>	<b>10</b>	<b>25</b>
• Theory of Demand – Demand Determinants – Cardinal Utility Analysis – Law of Diminishing Marginal Utility - Law of Diminishing Marginal Rate of Substitution.		
• Indifference curve –Characteristics of Indifference Curve – Budget Line – Consumers Equilibrium - Income and substitution effects, Hicks and Slutsky Theorem		
• Revealed Preference Theory		
• Revision of Demand Theory of Hicks		

<b>UNIT-2</b>	<b>THEORY OF PRODUCTION AND COSTS</b>	<b>10</b>	<b>25</b>
	<ul style="list-style-type: none"> <li>• Production function – Characteristics –Types</li> <li>• Law of variable proportions and returns scale - Economics of scale</li> <li>• Isoquants – Characteristics- Iso Cost – Firm Equilibrium</li> <li>• Least Cost Combination of Inputs</li> <li>• Cobb-Douglas and CES Production Function</li> <li>• Cost and Revenue Analysis</li> </ul>		
<b>UNIT-3</b>	<b>PRICE AND OUTPUT DETERMINATION</b>	<b>10</b>	<b>25</b>
	<ul style="list-style-type: none"> <li>• Perfect Competition – Short and Long run equilibrium of the firm and industry, Price and output determination</li> <li>• Monopoly – Short and long run equilibrium, Price determination, Welfare aspects, Monopoly Control and regulation – Price Discrimination – Types – Degree of Price Discrimination – Equilibrium under Price Discrimination.</li> </ul>		
<b>UNIT-4</b>	<b>ECONOMICS RISK AND ASYMMETRIC INFORMATION</b>	<b>10</b>	<b>25</b>
	<ul style="list-style-type: none"> <li>• Meaning of risk – Uncertainty</li> <li>• Risk Measurement</li> <li>• Individual behavior towards risk – Risk Avert – Risk Neutral – Risk Taker</li> <li>• Asymmetric Information – Market for Palm and Lemon – Moral Hazard – Adverse selection</li> </ul>		

એમ.એ. સેમેસ્ટર-૧  
અભ્યાસક્રમ  
વિનયન વિદ્યાશાખા  
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરત.  
સીસી-૦૧ એકમલક્ષી અર્થશાસ્ત્ર-૧

● આમુખ :-

આ પેપર પેઢીઓ અને બજારની વ્યક્તિગત આર્થિક વર્તનનું વિશ્લેષણ કરે છે. આનો મુખ્ય ઉદ્દેશ ગ્રાહકની વર્તણૂક અને માંગ વિશ્લેષણ, ઉત્પાદન સિધ્ધાંત અને ખર્ચના ખ્યાલો, વ્યાપારી ધોરણે બજારના ખ્યાલો, મહત્તમ નફાના ધોરણે પેઢીની સમતુલા જેવા વિવિધ ખ્યાલો દ્વારા વિદ્યાર્થીઓને તૈયાર કરવાનો છે. આ પેપર એકમલક્ષી અને સમગ્રલક્ષી વહેંચણીના સિધ્ધાંતો, કલ્યાણનું અર્થશાસ્ત્ર, ખુલ્લા અને બંધ પદ્ધતિઓની સામાન્ય સમતુલા, અચોક્કસતા હેઠળ આર્થિક વર્તનમાં વિશ્લેષણ વિશેની માહિતી પૂરી પાડે છે.

	પિરિયડ	ભારાંક
<b>યુનિટ : ૧ માંગ વિશ્લેષણ</b>	<b>૧૦</b>	<b>૨૫%</b>
<ul style="list-style-type: none"> <li>● માંગનો સિધ્ધાંત - માંગ નિર્ધારણ - તૃષ્ટિગુણ વિશ્લેષણ - ઘટતા જતા સિમાંત તૃષ્ટિગુણનો નિયમ - ઘટતા જતા સિમાંત અવેજના દરનો નિયમ</li> <li>● સમતૃપ્તિ વક્ર - સમતૃપ્તિ વક્રના લક્ષણો - બજેટ રેખા - ગ્રાહકની સમતુલા - આવક અને અવેજ અસર, હિક્સ અને સ્લટ્સ્કીના સિધ્ધાંતો</li> <li>● જાહેર પસંદગીનો સિધ્ધાંત</li> <li>● હિક્સનો માંગ પરિવર્તનનો સિધ્ધાંત</li> </ul>		
<b>યુનિટ : ૨ ઉત્પાદન અને ખર્ચના સિધ્ધાંતો</b>	<b>૧૦</b>	<b>૨૫%</b>
<ul style="list-style-type: none"> <li>● ઉત્પાદન વિધેય - લક્ષણો - પ્રકારો</li> <li>● બિનપ્રમાણસર ઉત્પાદનનો નિયમ અને કદનું વળતર - કદની કરકસરો</li> <li>● સમ ઉત્પાદન વક્ર - લક્ષણો - ખર્ચ - પેઢીની સમતુલા</li> </ul>		

- સાધનોનું ન્યૂનતમ ખર્ચ સંયોજન
- કોલ ડગ્લાસ અને CES (સ્થિર અવેજી સાપેક્ષતા) વિધેય
- ખર્ચ અને આવક વિશ્લેષણ

યુનિટ : ૩ કિંમત અને ઉત્પાદન નિર્ધારણ ૧૦ ૨૫%

- પૂર્ણ હરિકાઈ - પેઢી અને ઉદ્યોગની ટૂંકા અને લાંબાગાળાની સમતુલા - કિંમત અને ઉત્પાદન નિર્ધારણ
- ઇજારો - ટૂંકા અને લાંબાગાળાની સમતુલા - કિંમત નિર્ધારણ - કલ્યાણનો ખ્યાલ - ઇજારાનું નિયંત્રણ અને નિયમન - કિંમત ભેદભાવ - પ્રકારો - કિંમત નિર્ધારણની શક્યતા, કિંમત ભેદભાવ હેઠળ સમતુલા

યુનિટ : ૪ જોખમનું અર્થશાસ્ત્ર અને અસંમિત માહિતી ૧૦ ૨૫%

- જોખમનો અર્થ - અચોક્કસતા
- જોખમનું માપન
- જોખમ અને વ્યક્તિગત વર્તન - જોખમ અવગણવું - જોખમ તટસ્થ - જોખમ લેનાર
- અસંમિત માહિતી - પામ અને લેમનના મતે બજાર - નૈતિક સંકટ - પ્રતિકૂળ (વિપરીત) પસંદગી

**Syllabus for M.A. Economics**  
**Faculty of Arts**  
**Veer Narmad South Gujarat University**  
**M.A. Semester-II**  
**CC-04 Micro Economics-II**

• **PREAMBLE**

This paper analyses the economic behavior of individuals, firms and markets. It is mainly concerned with the objective of equipping the students in a rigorous and comprehensive manner with the various aspects of consumers' behavior and demand analysis, production theory and concepts of costs, the theory of traditional markets and equilibrium of firm in modern non-profit maximizing framework. The paper also deals with the micro and macro theories of distribution, welfare economics, general equilibrium in closed and open systems and analysis of economic behavior under uncertainty.

	<b>PERIOD</b>	<b>WEIGHTAGE</b>
<b>UNIT-1      PRICE AND OUTPUT DETERMINATION</b>	<b>10</b>	<b>25</b>
• Monopolistic completion – Meaning – Characteristics - Short and long run equilibrium of the firm - Group equilibrium - excess capacity under monopolistic competition – Selling Costs		
• Oligopoly - Characteristics - Kinked Demand Curve Under Oligopoly (Paul swizzy), Non Collusive (Cournot, EdgeWorth, Chamberlin) Price determination under Oligopoly (Cartels Model) – Price Leadership Models		
• Price and Output Determination Under Bilateral Monopoly		

<b>UNIT-2</b>	<b>GAME THEORY</b>	<b>10</b>	<b>25</b>
	<ul style="list-style-type: none"> <li>• Meaning of Game</li> <li>• Payoff Matrix</li> <li>• Zero Sum Game and Constant Sum Game</li> <li>• MiniMax and MaxiMin Principles</li> <li>• Nash equilibrium</li> <li>• The prisoner's Dilemma</li> <li>• Mixed strategies</li> <li>• Repeated games</li> <li>• Sequential games</li> </ul>		
<b>UNIT-3</b>	<b>THEORIES OF DISTRIBUTION</b>	<b>10</b>	<b>25</b>
	<ul style="list-style-type: none"> <li>• Neo Classical Approach- Marginal Productivity Theory of Distribution</li> <li>• Macro Theories of Distribution of Ricardian, Marxian, Kalecki and Kaldor's</li> <li>• Product exhaustion and Euler's theorem</li> </ul>		
<b>UNIT-4</b>	<b>WELFARE ECONOMICS</b>	<b>10</b>	<b>25</b>
	<ul style="list-style-type: none"> <li>• Introduction to Welfare Economics</li> <li>• Pigovian Welfare Economics</li> <li>• Pareto Optimal Conditions/ Social Optimality</li> <li>• Social Welfare Function</li> <li>• Inability to obtain Welfare - Imperfections Market failure, decreasing costs, uncertainty and non-existent and incomplete markets</li> </ul>		

એમ.એ. સેમેસ્ટર-૨  
અભ્યાસક્રમ  
વિનયન વિદ્યાશાખા  
વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી, સુરત.  
સીસી-૦૪ એકમલક્ષી અર્થશાસ્ત્ર-૨

● આમુખ :-

આ પેપર પેઢીઓ અને બજારની વ્યક્તિગત આર્થિક વર્તનનું વિશ્લેષણ કરે છે. આનો મુખ્ય ઉદ્દેશ ગ્રાહકની વર્તણૂક અને માંગ વિશ્લેષણ, ઉત્પાદન સિધ્ધાંત અને ખર્ચના ખ્યાલો, વ્યાપારી ધોરણે બજારના ખ્યાલો, મહત્તમ નફાના ધોરણે પેઢીની સમતુલા જેવા વિવિધ ખ્યાલો દ્વારા વિદ્યાર્થીઓને તૈયાર કરવાનો છે. આ પેપર એકમલક્ષી અને સમગ્રલક્ષી વહેંચણીના સિધ્ધાંતો, કલ્યાણનું અર્થશાસ્ત્ર, ખુલ્લા અને બંધ પદ્ધતિઓની સામાન્ય સમતુલા, અચોક્કસતા હેઠળ આર્થિક વર્તનમાં વિશ્લેષણ વિશેની માહિતી પૂરી પાડે છે.

યુનિટ : ૧ કિંમત અને ઉત્પાદન નિર્ધારણ

પિરિયડ

ભારાંક

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- ઇજારાયુક્ત હરિક્ષાઈ - અર્થ - લક્ષણો - પેઢીની ટૂંકા અને લાંબાગાળાની સમતુલા - જૂથની સમતુલા -વણવપરાયેલ ઉત્પાદનશક્તિ નીચે ઇજારાયુક્ત હરિક્ષાઈ - વેચાણ ખર્ચ
- અલ્પહસ્તક ઇજારો - લક્ષણો - પોલ સ્વીઝીની અલ્પહસ્તક ઇજારામાં ખાંચવાળી માંગરેખા - અપૂર્ણ જોડાણ : (ફૂનોટ, એજવર્થ, ચેમ્બરલીન) અલ્પહસ્તક ઇજારામાં કિંમત નિર્ધારણ (કાર્ટેલ મોડેલ) - કિંમત નેતૃત્વ મોડેલ
- દ્વિપક્ષીય ઇજારામાં કિંમત અને ઉત્પાદન નિર્ધારણ

યુનિટ : ૨ રમતનો સિધ્ધાંત

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- રમતનો અર્થ
- પે ઓફ મેટ્રીક્સ
- શૂન્ય રકમ રમત અને સતત રકમ રમત
- ન્યૂનતમવાદી અને મહત્તમ સિધ્ધાંતો
- નાશ સમતુલા
- ધ પ્રિઝનર્સ ડિલેમા
- મિશ્ર વ્યવસ્થા (વ્યૂહરચના)
- રમતમાં પરિવર્તન
- ક્રમિક રમતો

યુનિટ : ૩ વહેંચણીના સિધ્ધાંતો

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- નવપ્રશિષ્ટ સિધ્ધાંત - વહેંચણીનો સિમાંત ઉત્પાદકતાનો સિધ્ધાંત
- વહેંચણીના સમગ્રલક્ષી સિધ્ધાંતો - રિકાર્ડો, માર્કસીયન, કાલેકી અને કાલ્ડોર
- નિર્મૂલ ઉત્પાદન અને યુલર પ્રમેય

યુનિટ : ૪ કલ્યાણનું અર્થશાસ્ત્ર

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- કલ્યાણના અર્થશાસ્ત્રની પ્રસ્તાવના
- પિગુના મતે કલ્યાણલક્ષી અર્થશાસ્ત્ર
- પેરેટોની ઇષ્ટતમ શરતો અને ઇષ્ટતમ સામાજિક અવસ્થા
- સામાજિક કલ્યાણ વિષેય
- બિનક્ષમતા અંગે ન્યૂનતમ કલ્યાણ, અપૂર્ણ બજારની નિષ્ફળતા, ઘટતો ખર્ચ, અચોક્કસતા અને બિનહયાત અને અપૂર્ણ બજાર

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**VEER NARMAD SOUTH GUJARAT UNIVERSITY.**

**M.A. Semester-I**

**Semester-1**

**Fundamentals of Accountancy**

**(Syllabus effective from Academic Year 2019-20 onwards)**

**Objectives:**

- To induct the students about accounting system.
- To give the idea about Principals of accountancy.
- To give introduction about Tally

<b>No.</b>	<b>Particular</b>	<b>Weightage</b>
<b>1.</b>	<b>Introduction of Accounting</b> <ul style="list-style-type: none"><li>• Meaning &amp; Definition of Accounting</li><li>• Objective, Advantages, Limitations, Qualitative Characteristics of Accounting Information.</li><li>• Basic Terminology, Bases of Accounting [Accrual &amp; cash], Branches of Accounting (Financial, Cost, Management)</li></ul>	<b>25%</b>
<b>2.</b>	<b>Accounting Equation And Accounting Rules</b> <ul style="list-style-type: none"><li>• Type of Transactions [Economic &amp; Non-Economic] - Recognize cash &amp; Credit transactions</li><li>• Accounting Equation [Introduction to Assets (Non-Current, Current), Liabilities (Non-Current, Current), Equities] Understanding two effects on accounts.</li></ul> Classification Of Accounts & Accounting Rules	<b>25%</b>
<b>3.</b>	<b>Concepts Of Book-Keeping, Journal &amp; Subsidiary Books.</b> <ul style="list-style-type: none"><li>• Types of Accounting Systems, [Single &amp; Double Entry], Advantages of Accounting Systems.</li><li>• Meaning &amp; Format of Journal and Subsidiary books, Cash book, Purchase book, Purchase Return book, Sales book, Sales return book.</li><li>• Meaning &amp; Types of ledger</li><li>• Preliminary Examples of writing entries and Preparing ledgers</li></ul>	<b>25%</b>
<b>4.</b>	<b>Capital, Revenue, Expenses &amp; Income.</b> <ul style="list-style-type: none"><li>• Capital, Revenue, Expenses &amp; Income.</li><li>• Deferred Revenue Expenses</li><li>• Examples of Classification of capital &amp; revenue expenses and Income.</li></ul>	<b>25%</b>

**Note:-**

1. Practical problems shall not exceed 70% of total weightage.

## References:

1. Anthony Robert, Reece J.S. : Accounting Principles; Richard D. Irwin Inc.
2. Gupta. R. L and RadhaswamyM. : Financial Accounting; Sultan Chand and Sons, NewDelhi.
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**VEER NARMAD SOUTH GUJARAT UNIVERSITY.**

**M.A. Semester-II**

**Semester-2**

**Fundamentals of Accountancy**

**(Syllabus effective from Academic Year 2019-20 onwards)**

**Objectives:**

- To induct the students about Computerised Accounting System.
- To give the idea about accountancy software.
- To give introduction about Tally

<b>No.</b>	<b>Particular</b>	<b>Weightage</b>
<b>1.</b>	<b>Preparation of Final Accounts</b> <ul style="list-style-type: none"><li>• Meaning and objective of Trial balance, Advantages and Disadvantages, Methods of preparing trial balance</li><li>• Basic examples of Trial balance</li><li>• Define Final Accounts ,Objective ,Advantages, Limitation</li><li>• Format of Final Accounts as per Company act,2013 Schedule-3 P&amp;L A/C &amp; Balance sheet( Only theory)</li></ul>	<b>25%</b>
<b>2.</b>	<b>Management Accounting:</b> <ul style="list-style-type: none"><li>1.1 Meaning, nature, scope and functions of management accounting</li><li>1.2 Role of management accounting in decision making</li><li>1.3 Management accounting vs. financial accounting</li><li>1.4 Tools and techniques of management accounting</li></ul>	<b>25%</b>
<b>3.</b>	<b>Accounting for Decision Making</b> <ul style="list-style-type: none"><li>• The concept of differential cost; Cost profit volume analysis- BEP analysis (only basic examples)</li></ul>	<b>25%</b>
<b>4.</b>	<b>Computer Accounting -Tally</b> (Basic knowledge of computer accounting) Introduction-Variou components of a computer including hardware and software-Features of personal computers-Role of computer accounting - Advantages - Limitations – Why computerization-preparatory work-Master creation, Generation of printouts - preservation of data (recommended Tally software system - latest version at the time of beginning of the respective academic year)	<b>25%</b>

**Note:-**Practical problems shall not exceed 70% of total weightage.

References:

1. Tally Education Private Ltd. : Official Guide to Financial Accounting using Tally ERP.9, BPB Publications, Bengaluru.
2. Anthony Robert, Reece J.S. : Accounting Principles; Richard D. Irwin Inc.
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VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

M.A. – ECONOMICS

EFFECTIVE FROM JUNE – 2019

SEMESTER- I

EC- 01 ECONOMETRICS – I  
(Statistics for Economics)

**Unit 1: Theory of Probability - I**

[25%]

Definition – Methods – Finite and Infinite Set – Equality of Sets – Null Sets – Subset – Universal Set – Complement of a set – Venn diagram – Set operations – Union of two sets – Intersection of Sets – Difference Sets – Examples

**Unit 2: Theory of Probability - II**

[25%]

A priori definition – Theorem on total probability – Addition and Multiplication Theorems – Conditional Probability – Random variable – Mathematical Expectation – Applications – Examples

**Unit 3: Hypothesis and Distribution**

[25%]

Meaning – Types of hypotheses – Critical region – Two types of error – Level of significance – Test of significance – Parametric test and Non parametric tests (theory) – Normal Distribution – t-distribution – F – distribution – Chi-square distribution

**Unit :4 Hypothesis Testing**

[25%]

Examples of t-test, Chi-square test – Goodness of fit and test of independence, F-test, Z-test

**References:**

1. A L Nagar And R K Das (1983): Basic Statistics, Oxford University Press, New Delhi, 2<sup>nd</sup> Ed.
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VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

M.A. – ECONOMICS

EFFECTIVE FROM JUNE – 2019

SEMESTER-II

EC- 02 ECONOMETRICS - II

(Project Dissertation: Applied Statistics for Economics)

**Unit 1: Introduction of SPSS** [25%]

Data file – Data entry – Modification of data – Variable – Scale of Measurement – Output file – Functions – Charts and Graphs

**Unit 2: Univariate Statistics** [25%]

Measures of Central Tendency – Mean – Median – Mode – Measures of Dispersion – Range – Mean deviation – Standard Deviation – Coefficient of Variation – Skewness – Kurtosis

**(3) Bivariate Statistics** [25%]

Correlation and Regression – Scatter plot – Pearson Correlation – Spearman Correlation – Bivariate Regression – Multiple Regression

**(4) Inferential Statistics** [25%]

t-test – One sample t-test – Independent sample t-test – Paired sample t-test – One way ANOVA – Chi-square test – Phi coefficient – Cramer's V – Kendal's tau b - Chi-square test for 2\*2 – Chi-square test for 2\*K or K\*2

**Evaluation Method:**

(1) **There is NO Theory Paper. Paper is based on Project Dissertation**

(2) University Examination: Project Dissertation Report + Viva Voce Examination of Total 50 Marks - Project Dissertation Report: 35 Marks and Viva-Voce examination: 15 Marks

(3) Internal Evaluation: Total 20 Marks (Practical Examination)

(4) Total Marks: 50 + 20 =70 Marks

**References:**

1. Carver and Nash (2006), Doing Data Analysis with SPSS Version 14, Cengage Learning India Private Ltd., New Delhi

2. George Darren and Mallery Paul (2006), 6<sup>th</sup> ed., SPSS for Windows – Step by Step, Pearson Education in South Asia, New Delhi
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5. Nargundkar Rajendra (2006), 2<sup>nd</sup> ed., Marketing Research – Text and Cases, Tata McGraw Hill, Publishing Company Ltd, New Delhi
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M.A. Economic-sem-I  
Indian Political System – ID-1

Unit-1

Political Economy

- Meaning and Importance of Political Economy
- Approaches of Political Economy
- Relations between Political Science and Economics
- Roll of state in Economic life

Unit-2

Constitutional Framework

- Basic features of India's Constitution
- Preamble of the constitution
- Fundamental Right
- Directive Principles of State Policy

Unit-3

Centre Government

- The Constitutional position and power of the President
- Powers, functions and position of the Prime Minister
- The Composition of parliament and its power
- The Structure and power of supreme Courts

Unit-4

State Government

- The Governor-Power and position
- The Chief Minister- Power and Position
- The Structure and power of High court
- The Composition of state legislature and its power.

- Arun Kumar  
Chairman  
BOS in Economics  
V N S G. U, Srinagar

M.A. Economic-sem-II  
Indian Political System – ID-2

Unit-1

The Centre State Relation

- Legislative Relations
- Administrative Relations
- Financial Relations
- Demands for state autonomy

Unit-2

Local Self Government

- Meaning, scope & Importance of local self-Government
- 73<sup>rd</sup> and 74<sup>th</sup> Amendment
- Challenges Against Local Self Government
- Roll of Women in Panchayat

Unit-3

Constitutional Bodies

- Election Commission
- Union Public Service Commission
- NITI AAYOG/ Finance Commission
- Comptroller & Auditor General of India

Unit-4

Challenges of National Integration.

- Casteism
- Regionalism
- Population explosion
- Environmental degradation
- Corruption

- Arpanaly D  
Chairman,  
BOS in Economics  
YNSAU, Sural-

गुजराती कक्षा कागज़  
सुपरमार्केट कागज़

M.A. Semester-I

Effective from June 2016

## ECONOMICS OF INFRASTRUCTURE-I

### OBJECTIVES:

- To aware the students with the basic concepts of economics of infrastructure
- To expose the students to the issues related to development of physical and social infrastructure with reference to India

### COURSE CONTENT:

Topics	Weightage
<b>Unit 1: Nature and pricing of infrastructure</b> 1.1 Components of infrastructure - Social and physical infrastructure. 1.2 Infrastructure as a public good. 1.3 Special characteristics of public utilities. 1.4 The peak load-off load problem. 1.5 Role of infrastructure in economic development. 1.6 Pricing of infrastructure: marginal cost pricing and other methods of pricing. 1.7 Cross-subsidisation - equity and efficiency arguments.	25%
<b>Unit 2: Transport</b> 2.1 Components of a transport system - road, rail, air and water transport. Characteristics, advantages and disadvantages of each. 2.2 Relationship between transport services and economic development. 2.3 Role of public policy in transport: rationale of government intervention.	25%
<b>Unit 3: Transport in India</b> 3.1 Indian road system: Types of roads. 3.2 Growth of road network. 3.3 Importance of road network in India. 3.4 Problems of road sector in India. 3.5 Indian railways: Growth of railway network. 3.6 Evaluation of financial and operational performance of Indian Railways. 3.7 Water transport: Types, importance and problems of water transport in India. 3.8 Air transport: Types, importance and problems of air transport in India. 3.9 Transport policy in India: Nationalisation/Privatisation of transport sector	25%

**Unit 4 : Communications****25%**

- 4.1 Telephone utilities: Pricing in telephone utilities.
- 4.2 Spread of telephone network and current problems in India.
- 4.3 Measures to solve problems.
- 4.4 Postal services: Characteristics of postal services.
- 4.5 Criteria for fixation of postal rates.
- 4.6 Growth and problems of postal services in India.
- 4.7 Measurement of standards of service in telephone and postal utilities

**References:**

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- Indian Council of Social Science Research (ICSSR) (1976): Economics of Infrastructure Vol. VI, New Delhi.
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**ECONOMICS OF INFRASTRUCTURE-I****OBJECTIVES:**

- To aware the students with the basic concepts of economics of infrastructure
- To expose the students to the issues related to development of physical and social infrastructure with reference to India

**COURSE CONTENT:**

Topics	Weightage
<b>Unit 1: Energy</b> 1.1 Primacy of energy in economic development. 1.2 Factors determining demand for energy. 1.3 Energy conservation. 1.4 Renewable and non-renewable sources of energy. 1.5 Energy crisis in India - causes and effects. 1.6 Optimal energy policy in Indian context.	<b>25%</b>
<b>Unit 2: Energy sector in India</b> 2.1 Electricity sector: Sources of electricity in India. 2.2 Importance, growth and features of electricity sector in India. 2.3 Regulations and reforms in this sector. 2.4 Problems of electricity sector and their solutions. 2.5 Oil and natural gas sector: Growth, problems and reforms in this sector. 2.6 Non-conventional energy: Types, growth, problems and prospects.	<b>25%</b>
<b>Unit 3: Education</b> 3.1 Role of education in economic development. 3.2 Costs and benefits of investment in education. 3.3 Private and social rates of return. 3.4 Indian education system: Characteristics, problems and solutions. 3.5 Allocation of resources to primary, secondary and higher education in India. 3.6 Right to Education Act. 3.7 Various schemes for promoting primary education	<b>25%</b>

25%

**Unit 4: Health**

- 4.1 Relationship between health and economic development.
- 4.2 Determinants of health status of an economy.
- 4.3 Demand and supply of health care.
- 4.4 Financing of health care and resource constraints.
- 4.5 Inequalities in healthcare - class and gender perspective.

**References:**

- Crew, M A and P R Kleindorfer (1979): Public Utility Economics, Macmillan, London.
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- Panchamukhi, P R (1980): Economics of Health: A Trend Report in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied Publishers, Delhi.
- Woodhall M (1992): Cost benefit Analysis in Educational Planning, UNESCO, Paris.
- Misra and Puri, Indian Economy (2013): Himalaya Publishing Co., Mumbai.

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ଅନୁସାରେ ପଢ଼ାଯିବ।

**SEMESTER I**  
**EC-01: ECONOMICS OF HUMAN RESOURCES (EDUCATION)**

**UNIT-1: CONCEPT OF HUMAN CAPITAL AND HUMAN RESOURCES** 25 %

Concept of Human capital and Human Resources – Characteristics and aspects of Human Capital – comparison between Human capital and Physical capital – Measure of Human Capital and Methods – Human development : Definition - Indices of Human Development: Human Development Index (HDI), Gender Development Index (GDI), Gender Empowerment Index(GEM), Gender Gap Index (GGI) and Multi-dimensional Poverty Index – UN's Sustainable Development Goals and Education.

**UNIT-2: EDUCATION AND ECONOMIC DEVELOPMENT** 25 %

Role of Education in Economic Development - Investment in Education: Economic Returns to Education - Private and Public returns to Education - Evaluating Educational Investments: Various types of Costs and Benefits of Education – Training: Importance of Training - types of training: General and Specific -On the Job and Off the Job training. → the Costs and Benefits of training - Determinants of “On the Job Training”

**UNIT -3: HUMAN RESOURCES AND DEVELOPMENT** 25 %

Indicators of Human development: Educational Indicators – Planning for Human resources and manpower assessment and forecasting - techniques and methods – Brain Drain – concept and classification magnitude – the pull and push factors of brain drain. –

**UNIT – 4 : EDUCATIONAL FINANCE AND CHALLENGES** 25 %

Sources and state of Financing Education – Knowledge Commission of India – WTO and Challenges for Indian Education- Globalisation and its impact on Higher education in India – Privatisation of Education : Challenges and opportunities - Skill development in India: challenges and opportunities.

**References:**

UNDP: Various Human Development Reports. <http://hdr.undp.org/>  
[www.un.org/sustainabledevelopment/sustainable-development-goals/](http://www.un.org/sustainabledevelopment/sustainable-development-goals/)  
<http://www.un.org/sustainabledevelopment/news/communications-material/>  
Human Capital in Developing countries: <http://www.icglconferences.com/articles/human-capital-development-in-developing-countries/>  
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<http://www.fsb.muohio.edu/evenwe/courses/eco361/f04/readings/investment%20in%20education.pdf>

Training: [www.tutor2u.net/business/reference/training-on-the-job-training](http://www.tutor2u.net/business/reference/training-on-the-job-training)

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[www.studymode.com/essays/Advantages-Nad-Disadvantages-Of-Off-The-194931.html](http://www.studymode.com/essays/Advantages-Nad-Disadvantages-Of-Off-The-194931.html)

**SEMESTER II: EC- 02 ECONOMICS OF HUMAN RESOURCES**  
**(HEALTH) - II**  
**(2019)**

**1: Concept and Dimensions of Health**

Definition of Health economics - Structure of Health economics - Factors affecting the demand and supply of health - Determinants of Health status - Broad Indicators of Health - Indicators to monitor Health – Sustainable Development Goals and Health [10]

**2: Health as Investment**

Health as Investment - Relationship between investment in health and economic development - Health and GDP Linkages - Objectives and functions of Health systems - Roles of the Central and State government in health (WHRs, WDR 1993) - Financing Health : Criteria for assessing financing mechanism – Private and public sources of health finances [10]

**3: Planning for health in India**

Planning for health in India - Health system in India - Evaluation of health services - Health care of the Community: - Health status and health problems – Primary Health care in India - Review of health policies -National Health Mission (2012-2017) - National Urban Health Mission - Environment and health – [10]

**4: National and International dimensions of health**

World Health Organisation - Responsibilities and functions - Major health challenges for developing countries - Globalisation Health Linkages – GATS and health services -- Health reforms in India - National Family and Health Surveys Health in the XI plan. Latest World Health Report. [10]

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<https://www.slideshare.net/drjayeshpatidar/health-economics-20064072> (For scope, definition and structure of health economics)

[www.drjayeshpatidar.blogspot.com](http://www.drjayeshpatidar.blogspot.com) for basics in health economics

Health Economics (MEC-008) Economics of social sector and environment. IGNOU – School of social sciences. (For determinants of health status and factors affecting demand and supply)

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15. Unit – 18: For determinants of health status. (**MEC 008. IGNOU Social sector and environment**)