

FATIMA COLLEGE (AUTONOMOUS)



**Re-Accredited with “A” Grade by NAAC (3rd Cycle)
74th Rank in India Ranking 2020 (NIRF) by MHRD
Maryland, Madurai- 625 018, Tamil Nadu, India**

NAME OF THE DEPARTMENT : THE RESEARCH CENTRE OF ECONOMICS

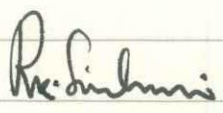
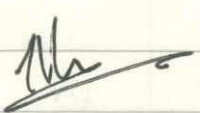

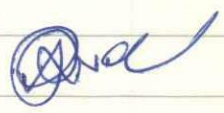
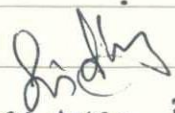
NAME OF THE PROGRAMME : M.A. ECONOMICS

PROGRAMME CODE : PAEC

ACADEMIC YEAR : 2020 - 2021

Minutes of the Meeting of the Board of Studies
in the Research Centre of Economics held on
28.02.2020 at 2.00 P.m.

Members of the Board

1. Dr. Sadasiram
Associate Professor of Economics
Madurai Kamaraj University, Madurai - 21

2. Dr. S. Ganesan
Associate Professor of Economics
Bharathidasan University
Kajamalai Campus, Tiruchirappalli

3. Dr. K. Manikandan
Assistant Professor of Economics
Grandhiygram Rural University
Grandhiygram

4. Dr. Mahendraraj
Chairman, Pempe Biscuits
46/2 Ground Floor
Kannadasan main road, Near city union Bank
bye pass road, SS Colony, Madurai - 16.

5. Mrs. Sindhuja
Senior Statistical Officer
National Statistical Office (F&D) & Programme Implementation
No. 26 2nd floor B wing
Shastri bhavan Haddow Road
Nugambakkam, Chennai - 600006.


6. Dr. S. J. Kala S. J. Kala
Dean of Arts
Fatima College.
7. Dr. Mrs. Shobana Nelasco Shobana Nil
8. Dr. Mrs. Regina Mary M. Regina
9. Dr. MS. G. Uma G. Uma
10. Dr. Mrs. Ivy Jeno S. Ivy Jeno.
11. Mrs. A. Gracy Rani A. Gracy Rani.
12. Dr. Mrs. P. Anita P. Anita
13. Dr. Mrs. C. Sahaya Mary Sophia C. Sahaya Mary Sophia
14. Dr. Mrs. K. Selva Lakshmi K. Selva Lakshmi
15. Dr. MS. R. Sujitha R. Sujitha

Action Taken Report

S.E. NO	Suggestions	Action Taken
1.	It was suggested by the members of the Board that For M.A Indian Economy paper should be introduced for 2 Semesters.	we have introduced Indian Economy for I M.A
2.	Suggested to update the Book Resource	References updated
3)	Suggested Compete Compete of Competitive Exam Skills Paper Inspiringly Encouraged should be introduced as Skill Based	It was introduced but not yet implemented

Outcome of the meeting

As per the suggestions of Dean we should not have the same ~~papers~~ titles (Micro Economics I and Micro Economics II) so Micro Economics II has been renamed as Market Income and Factor pricing. For MOOC Courses 23 papers have been selected to be offered to the students (19E2-CC3).

As Self study for UG - General paper-II of IES syllabus and for the PG General paper - I has been introduced.

For comprehensive viva the Question form, UGC-NBT portion are tested.

For Slow learners Remedial Classes are conducted, for which rules have been framed.

Since Extension activity is to be introduced to P.G. Economics from 2020 onwards, the syllabus is to be framed.

Mrs. Sindhuja suggested to have a survey about agriculture, to give field visit exposure to students.

Dr. Manikandan suggested, for internship programme, Curukulam Kali can be introduced.

- The survey on case study with farmers can be done by the students.

- The survey on different types of crops cultivated can be collected by the students confining 1 Single Hamlet.

Mrs. Sindhuja has suggested to introduce Agriculture Economics as a subject to

UG Economics, instead of Indian Economic Issues II

Dr. Mahendrarvel gave the following references for internship.

- 1) Mr. Anand, Food grain Yard
- 2) Mr. Raja Mohan, Ennio Care
- 3) Mr. Sai Subramanian and Mr. Karthikeyan, Tamil Nadu food grain Merchant Association.

In all Entrepreneurship Skill papers, Skill India and Start-up India should be included.

Dr. Manikandam suggested, For UG in Micro Economics - I, IV unit can be Cost and Revenue and the production analysis can be shifted to V unit, in V unit Cost and Revenue Sub title can be removed (19EICCI).

Dr. Mahendrarvel suggested, In Labour Economics (19E4CET), Theories of Labour, International Labour market can be included.

In Entrepreneurial Skill paper, going to MADEsia can be given as internship.

In Indian Economics issues, IV unit the title can be changed as Informal sector and Service Sector. The IE, GDP contribution, Banking, Trends and Growth can be included. In V unit title can be changed as Recent Programmes of Government of India. instead of recent policies.

For PG. Mathematics For Economist (19PG2EB), In V unit input output analysis, technical Co-efficient should be included and the title can be changed as Linear programming and Input and output Analysis.

Since it was represented by HoD that Competitive Exam Skills Subject can be restored, the External and Internal Board members, suggested this paper can be restored only after refining the whole content, getting the approval of External Board members prior implementing to students. For M.Phil, Modern Economic Issues and Research Methods and Statistical Applications can be offered as suggested by Dr. Ganesan.

Signature of the Board Members.

1) Dr. Sadasivam

[Signature]

2) Dr. S. Ganesan

[Signature]

3) Dr. K. Manikandan

[Signature]

4) Dr. P. Mahendraraj

[Signature]

5) Mrs. Sindhuja

[Signature]

6) Dr. S. J. Leela

8) Dr. Mrs. Shobana Melasco

[Signature]

9) Dr. Mrs. Regina Mary

[Signature]

10) Dr. Ms. G. Uma

[Signature]

11) Dr. Mrs. Iry Jeno

[Signature]

12) Mrs. A. Gracey Rani

[Signature]

13) Dr. Mrs. P. Anita

[Signature]

14) Dr. Mrs. C. Sahaya Mary Sophia

[Signature]

15) Dr. Mrs. K. Selva Lakshmi

[Signature]

16) Dr. Mrs. R. Sujitha Karulka

[Signature]

Minutes written by

1. Dr. P. Anita

2. Dr. C. Sahaya Mary Sophia

[Signature]



RESEARCH CENTRE OF ECONOMICS
M.A ECONOMICS
2020-2021

SUB.CODE	TITLE	HRS	CREDIT	SEMESTER	INTERNAL -40	EXTERNAL 60	TOTAL 100
20PGE1SL1	Energy Economics		4	I	40	60	100
20PGE2SL2	Health Economics		4	II	40	60	100
20PGE3SL3	Industrial Economics &Labour Laws(collaboration with M.Com CA)		4	III	40	60	100
20PGE4SL4	Numerical ability for competitive examinations (collaboration with Mathematics department)		4	IV	40	60	100

M.A. ECONOMICS - SELF LEARNING
20PGE1SL1- ENERGY ECONOMICS

CREDIT:4

COURSE DESCRIPTION

This course is an introduction into energy economics as well as to general energy policy. It covers a variety of theoretical and empirical topics related to energy demand, energy supply, energy prices, environmental consequences of energy consumption and production, and various public policies affecting energy demand, supply, prices, and environmental effects.

COURSE OBJECTIVE/S

1. To provide an understanding of the technical and commercial aspects of Wind and Alternative Sources of **Energy**.
2. To bring about insights to assess feasibility of alternative approaches and drive strategies regarding Wind and Alternative Sources of **Energy**.

COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level
CO 1	Conceptual knowledge of the technology, economics and regulation related issues associated with wind and alternative sources of energy	K1/K2/K3
CO 2	Ability to analyse the viability of wind and alternative energy projects	K1/K2/K3
CO 3	Capability to integrate various options and assess the business and policy environment regarding wind and alternative energy projects	K1/K2/K3
CO 4	Advocacy of strategic and policy recommendations on usage of wind and alternative energy	K1/K2/K3

UNIT I: INTRODUCTION TO ENERGY ECONOMICS

Define Energy Economics; Energy Resources and Energy Commodities; Properties of Energy Resources and Energy Commodities; Law of Thermodynamics; Energy Conversion Processes; Energy Conservation and Energy Efficiency.

UNIT II: ENERGY CRISIS

Understanding the Energy Crisis– Past to Present; The International Energy Crisis of the 1970s–Causes, Effects and Solutions to the Global Energy Crisis; Energy Crisis and Solution in India.

UNIT III: ECONOMICS OF ENERGY SUPPLY

Classify energy on the basis of sources – renewable or non-renewable; worldwide energy supply – by country; sources of energy supply –Fossil fuels (coal, oil, natural gas), Renewable energy (Hydro, Marine, wind, solar, Geothermal, bio), Nuclear power; Trend and patterns of energy production; Social, Economic and Environmental Effects of Energy Production; Life Cycle of Energy Sources.

UNIT IV: ENERGY DEMAND ANALYSIS

Demand for Energy as a Derived Demand; Demand Substitution among Energy Commodities; The Increasing Global Demand For Energy– Causes and Impact of increase in Demand for Energy; World Energy Consumption – Economic Growth and World Energy Consumption by Source; Energy Consumption by End-use Sector (Buildings Sector, Industrial Sector, Transportation Sector),Global Variations in Energy Use; Energy Use, Social Problem and Energy Conservation;

UNIT V: TRENDS IN ENERGY CONSERVATION

Trend and Patterns of Energy Consumption; Empirical Estimation of Economic Growth and Energy Consumption; Empirical Demand Projection for Energy Sources – Regression Technique. Production Cost versus Return of Investment; Empirical Determination of Breakeven (economic) Price – Determination of Optimum Level of Output and attainment of Equilibrium Level of Price of Energy Sources.

UNIT DYNAMISM

Case Study on energy audit – awareness on energy conservation – Analysis of various effects of energy production.

REFERENCE BOOKS:

1. Twidell J., Weir T. (2015). Renewable Energy Resources (3rd Edition). Routledge. ISBN: 0415584388.
2. Kandpal T.C., Garg H.P. (2003). Financial Evaluation of Renewable Energy Technologies. Macmillan Publishers India Limited. ISBN: 1403909520.
3. Gasch R., Tewe J. (2011). Wind Power Plants: Fundamentals, Design, Construction and Operation (2nd Edition). Springer Science & Business Media. ISBN: 3642229387.
4. van Swaaij W.P.M., Kersten S.R.A., Palz W. (2015). Biomass Power for the World. CRC Press. ISBN: 9814613894.
5. [Peter Zweifel](#), [Subhes C. Bhattacharyya](#) Springer publication: 28 February 2011.
6. Energy Economics, Book by Peter M. Schwarz, 2017
7. Energy Economics, [Georg Erdmann](#), [Aaron Praktikno](#),

Course Designer: Dr. K.Selvalakshmi

**Forwarded By the Head of
the Department**

I M.A. ECONOMICS- II SEMESTER
HEALTH ECONOMICS - 20PGE2SL2
(For those who joined in 2021 onwards)

COURSE DESCRIPTION

This course is designed to provide the students with a basic introduction to meaning and importance of Health Economics, explore the Health Status through international comparison, Demand for and supply of Health care services, reforms undertaken and about health care insurance.

COURSE OBJECTIVE/S

1. Define Health Economics and describe its significance.
2. Explore the importance of health insurance and explain the need for it.
3. To acquaint the students with the essential aspects of demand for and supply of Health care services.
4. Equip the students with the knowledge on health sector issues and health care reforms undertaken in this area.
5. Equip and motivate the students to become LIC Agents and Development officers.

COURSE OUTCOMES (CO)

No.	Course Outcome	Knowledge Level
CO 1	Equip the students with the essential aspects of Health Economics.	K1
CO 2	Helps the students to understand the nuances and become insurance agents and development officers.	K2
CO 3	Create awareness with regard to need for life insurance policies in India	K3
CO 4	Enlarges the understanding of health care issues and international reforms undertaken.	K2
CO 5	Gives an idea on the demand for and supply of Health care services.	K1

UNIT:I INTRODUCTION TO HEALTH ECONOMICS:

Definition –scope of economics of health-Importance of Health Economics -Features – Health status- Demand for health care services-factors influencing health care services- socio-demographic –environmental factors-Supply of health care services, -Challenges and Opportunities.

UNIT II: HEALTH AND ECONOMIC DEVELOPMENT

International comparisons of health care reforms- Indian health sector -National Rural Health Mission- National Urban Health Mission-Pradhan Mantri Jan Arogya Yojana(PM-JAY) Indian health sector issues – Rising healthcare costs, Factors affecting health – Health and economic development.

UNIT III: COVID ECONOMICS

Impact of covid on global economy-on Indian economy-covid 19 and health system-vaccination misallocation-containment-fiscal response-economic inequality and covid 19 death rates-cross country analysis.

UNIT: IV: HEALTH FINANCING:

Public expenditure on health services over time- Comparison with other countries- Health infrastructure in India- - financing health services- sources of public funds for health -Resource allocation through health cess.

UNIT V: HEALTH CARE INSURANCE:

Brief history of health care-Demand for insurance information- complexity-decision making on health care insurance - moral hazard

UNIT VI DYNAMISM AND CURRENT AFFAIRS:

Impact of Pradhan Manthiri Jan Arogya Yojana on Rural Health – Case Study on challenges Opportunities of health care services in India – A Comparative study on health care services in Tamilnadu.

References:

1. Weisbrod B. A. (1961), Economics of Public Health, University of Pennsylvania Press, Pennsylvania,.
2. Klarman H.E.T(1965)he Economics of Health, Columbia University Press, Columbia,.
3. Pearce D and P Dasgupta, (1982), Social Benefit Cost Analysis, Macmilan, London.
4. Krishnakumar T and Rao K.N. (1987), Financing of Health Services in India: Perspectives and Issues, Department of Economics, University of Hyderabad (Mimeographed), September.
5. Jimenz E. (1987), Pricing Policy in the Social Sectors, the Johns Hopkins University Press, New York,.

- 6.Periyasamy, , (2005). *“Principles and Practice of Insurance”*, Himalaya Publishing House, Mumbai.
- 7.Bhargava B.D. (2008) *Insurance meaning and its principles* , pearl Books Publication.
- 8.Anand Ganguly.(2005) *Insurance Management* , New age International Publication New Delhi.
- 9.Misra M. N(2012)*Modern Concepts of Insurance*, Sultan Chand company LTD New Delhi.
10. Mishra M.N & Misra S.B (2008)*Principles and Practice Insurance*, Sultan Chand company LTD New Delhi.

WEB REFERENCES

- 11.<https://www.dw.com/en/india-covid-vaccine-diplomacy/>
- 12.<https://www.worldbank.org/en/news/feature/2020/06/08/the-global-economic-outlook-during-the-covid-19-pandemic-a-changed-world>
- 13.<https://www.who.int/news-room/feature-stories/detail/attacks-on-health-care-in-the-context-of-covid-19>

Course Designer: Dr.S.Ivy Jeno.

**Forwarded By the Head of the
Department**

INTER DEPARTMENTAL SELF LEARNING COURSE
DEPARTMENT OF ECONOMICS AND M.Com CA
INDUSTRIAL ECONOMICS AND LABOUR LAWS - 20PGE3SL3
(For those who joined in 2021 onwards)

II M.A SEMESTER – III

COURSE DESCRIPTION

The course narrates industrialization process, factors inhibiting industrial development, ownership pattern, state of industrial development in India and expose Industrial disputes and related laws to ensure Upgradation of labourers in industries.

COURSE OBJECTIVES

1. To enable the students to understand the importance of Industrial development.
2. To expose the students in analyzing the factors hindering industrial development.
3. To equip the students to understand the current issues of labour dispute and related laws.
4. To equip the students to prepare themselves for competitive exams like IES.
5. To help the students to face the TNPSC and UPSC exams.

COURSE OUTCOMES (CO)

S: No	COURSE OUTCOME	Knowledge Level
CO 1	Become familiar with the state of the Industrial development.	K1
CO 2	Able to comprehend the factors that lead to the underdevelopment in the Indian economy.	K3
CO 3	Impart knowledge on the Industrial disputes in India.	K1
CO 4	Help the students to prepare for competitive examinations and face the TNPSC and UPSC exams where Indian Economy is a part of syllabus.	K1/K2
CO 5	Impart clear cut idea about Transfer of technology in India.	K1
CO 6	Equip the students to understand the Payment of wages act of India.	K1/K2/K3

INDUSTRIAL ECONOMICS AND LABOUR LAWS (Economics and M.Com CA)

UNIT-1: INDUSTRIALIZATION:

Meaning-Importance-factors inhibiting industrial development-remedial measures-ownership and control of industries-Private Sector, Public Sector, Joint Sector-Recent trends in Indian industrial growth-MNCs and transfer of Technology.

UNIT-2 INDUSTRIAL SICKNESS

Definition-Magnitude-Causes-Consequences-Rationalisation-Meaning-Aims-Measures for carrying out rationalization -Advantages-Dangers-Industrial clusters.

UNIT-3 INDUSTRIAL FINANCE

Sources of funds-Industrial Finance-Sources of funds- Institutional finance-IDBI, IFCI, SFC, SIDC, Commercial banks-Balance sheets.

UNIT-4 : INDUSTRIAL DISPUTES

Industrial disputes – Meaning – Definition – Causes – Prevention - Settlement of Industrial disputes.

UNIT-5: PAYMENT OF WAGES ACT

Introduction- Objective –Scope and Coverage – Definitions- The Payment of wages (Amendment),2005- An Act further to Amend the Payment of Wages Act,1936.

UNIT – VI Dynamism and Current Affairs:

Study on accidental benefits – Enactment of new wage act – Role of trade unions in Labour welfare – Effects of Industrialization on labour health

Reference Books

1. Amarjit Singh; A N Sadhu “Industrial Economics”, Himalaya Publishing house, Delhi, 1988
2. Barthwal, R.R. “Industrial Economics”, New Age International Pvt. Ltd., 2010.
3. Cherunilam, F, Industrial Economics : Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai, 1994
4. Dhingra , I.C. The Indian Economy Environment and Policy, Sultan Chand, 2014
5. Government of India, Economic Survey (Annual).
6. Kutchhal, S.C. , Industrial Economy of India (5th Edition), Chaitanya Publishing House, Allahabad,1980

7. Misra and Puri, "Indian Industrial Economy", Himalaya Publishing house, New Delhi, 1. Ahluwalia, I. J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.

8. C.B.Gubta, "Human Resource Management", (2009), Sultan Chand & Sons, 23, Daryaganj, New Dehli-110002.

9. B.Nandhakumar, "Industrial Relations Labour Welfare and Labour Laws", Vijay Nicole Imprints Private Limited, Chennai.

10. <https://www.asianstudies.org/publications/ea/archives/the-history-of-economic-development-in-india-since-independence/>

Course Designers:

1. Dr. S. Ivy Jeno (Department of Economics)

2. Dr. M. Arasammal (Department of Commerce with Computer application)

**Forwarded By the Head of the
Department**

NUMERICAL ABILITY FOR COMPETITIVE EXAMINATIONS

I – M.A ECONOMICS – I SEMESTER

SUB.CODE: 20PGE4SL4

COURSE DESCRIPTION

This course is designed to extend skills in problem solving and to foster mathematical creativity

COURSE OBJECTIVES

To enhance the problem solving skills, to improve the basic mathematical skills and to help students who are preparing for any type of competitive examinations

CO: 1 Solve some real life problems on numbers

CO: 2 Ability to understand logical reasoning

CO: 3 Solve problems involving Permutations and Combinations

CO: 4 Awareness on General aptitude and Mental ability test.

CO: 5 Gained knowledge on the Graphical shapes, and different metric system.

UNIT: I: BASIC NUMERACY AND DATA INTERPRETATION

HCF and LCM of Numbers – Fraction – Percentage – Average – Ratio and Proportion – Problems on Simple Equations – Chain Rule – Data Interpretation

UNIT: II LOGICAL REASONING AND ANALYTICAL ABILITY

Introduction – Reasoning based on Ranking - Reasoning based on Team Formations– Quantitative Reasoning – Sequences and Series – Blood Relations –Direction Test – Puzzles Test – Non-verbal Reasoning

UNIT: III GENERAL MENTAL ABILITY

Introduction – Syllogisms – Logical Deductions – Statement and Conclusions –Assertion and Reason – Mathematical operations – Set theory, Venn diagrams and Network diagrams – Permutations and Combinations

UNIT: IV APTITUDE AND MENTAL ABILITY TESTS

Conversion of information to data – collection, compilation and presentation of data – Tables, graphs, diagrams-Analytical interpretation of data, Simple and Compound interest, Length, Area, Perimeter, Time and Work.

UNIT: V GEOMETRY, MEASURES, HANDLING DATA AND PROBLEM SOLVING


Classifying 2-D, shapes – 3-D and 2-D shapes, working with coordinates. The metric system, Length, Area, and Perimeter of irregular shapes. Organizing, categorizing and representing data, Problem Solving.

Unit : VI Dynamism

Study on Logical reasoning based on Banking – Aptitude and Mental ability test – Conversion of information to data and Presentation of data

Reference Book:

1. General Studies Paper II for Civil Services Preliminary Examination, Arun Sharma, Madhukar Kumar Bhagat, Abhijit Guha, McGraw Hill Education India Pvt. Limited.
2. Test of Reasoning for Competitive Examinations, Edgar Thorpe, Tata McGraw Hill Education India Pvt. Limited.
3. Numerical Ability and Quantitative Aptitude, P. K. Mittal, Galgotia Publications, Pvt Limited.



Signature of the HOD with Seal

DEPARTMENT OF ECONOMICS
FATIMA COLLEGE
MADURAI-18.