# Subject: Industrial Economic Environment

Course Code: 402

## Preamble -

In the present global era, growth of industries and knowledge of it is becoming imperative. This paper aims to provide basic knowledge to students about industrial growth and policies adopted by India since its independence. It also aims to make students acquainted with the changing industrial scenario of the country with focus on the main industries contributing in the industrial development of the country.

## Scope of the programme –

Basic Knowledge of Industrial economic environment

## > Objectives of the Course:

- 1. To provide knowledge about basic issues in Industrial Economic Environmentto students.
- 2. To make students aware about Industrial patternand growth in India and Industrial policies of India since independence.
- 3. To study the progress and current problems of major industries in India.

Unit No.	Unit Title	Content	Purpose & Skills to be Developed	
1	Industrial Economic	1.1 Industry: Meaning and Classification	1.To understand the concept of	
	Environment	<b>1.2</b> Economic Environment : Meaning and Definitions	Economic Environment & its	
		<b>1.3</b> Importance of Economic Environment	Constituents. <b>2.</b> To understand the elements of	
		1.4 Factors Affecting Economic Environment	Economic & Non-Economic	
		<b>1.5</b> Role of Economic Environment in Industrial	environment.	
		Development	<b>Skills:</b> Conceptual skills, writing skills	
2	Industrial Growth and		1.To help students to know about	
	Pattern in Indian Economy	<ul> <li>2.1 Role of Industries in Economic Development of India</li> <li>2.2 Industrial Growth Pattern Since 8<sup>th</sup> Plan</li> <li>2.3 Public Sector industries –Role, Problems and Present Situation</li> <li>2.4 Small Scale and Cottage Industries – Meaning, Role and Problems</li> <li>2.5 Multinational Corporations and Indian Economy- Progress and Problems</li> </ul>	<ul> <li>changes in Industrial growth an pattern after 1991</li> <li>2. Toknow the role &amp; problems of public sector undertakings, small scale Enterprises &amp; Multinational Corporations in global &amp; competitir Environment</li> <li>Skills: Analytical skills, Critical Analysis</li> </ul>	

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		2.6 Industrial Imbalance: Causes and Measures		
3	Industrial Policy and Issues		1. Acquaint students with the broad	
		3.1. Meaning of Industrial Policy	features of industrial policies of	
		3.2 Brief Outline of Industrial Policies : 1948, 1956,	Government of India since	
		MRTP Act 1969, 1980	independence.	
		3.3 Industrial Policy of 1991 – Features and Impact	<ul> <li>2. Recognizing progress &amp; performance of SEZ in India.</li> <li>Skills: Writing skill, critical thinking&amp;Improving analytical ability.</li> </ul>	
		3.4 Special Economic Zone- Progress and Problems		
		3.5 Liberalization, Privatization and Globalization –		
		Meaning, and Nature		
		3.6 Liberalization, Privatization and Globalization:		
		Arguments for and Against		
		3.7 Impact of Globalization on Indian Industry		
4	Major Industries in India		To understand progress & problem of major industries in India. Skill:	
		4.1 Importance of Major Industries in India		
		4.2 Iron and Steel Industry: Progress and Problems		
		4.3 Cotton Textile Industry : Progress and Problems	Communication & Analytical Skills	
		4.4 Sugar Industry : Progress and Problems		
		4.5 Cement Industry : Progress and Problems		
		4.6 Service Industry: Information Technology Industry		
		and Tourism Industry – Progress and Problems		

# > Teaching Methodology:

Topic Number	Total Lectures	Innovative methods	Film shows andAV applications	Project	Expected Outcome
1	10	<ul> <li>Open bookdiscussion</li> <li>Digitallectures</li> <li>Reading</li> <li>Projects</li> </ul>	You tube lectures	<ul> <li>Components of macroeconomic environment in India</li> <li>Anatomy and functioning of Industries in India</li> </ul>	Will understand the impact of economic and non – economic factors affecting industrial environment
2	14	<ul> <li>Group discussion</li> <li>Casestudies</li> <li>Problem solvingbased learning</li> </ul>	<ul> <li>You tube lectures,</li> <li>Lectures on SWAYAM Portal or any other online source</li> </ul>	<ul> <li>Analyze opportunities of growth of Small scale industries in India</li> <li>Study the growth pattern of any MNC in</li> </ul>	Will understand role of various types of industries in India like small scale industries, public sector industries, MNCs etc

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				India	
3.	12	<ul> <li>Pairlearning</li> <li>Groupdiscussion</li> <li>Open book discussion</li> </ul>	<ul> <li>Teacher oriented PPTs.</li> <li>You tubelectures</li> </ul>	<ul> <li>Impact privatization of railways in India</li> <li>Trend of liberalization in India since 1991</li> </ul>	<ul> <li>Critically evaluate industrial polices in India</li> <li>Analyze the impact of new industrial policy adopted by India.</li> </ul>
4	12	•Groupdiscussion •Teacher driven power pointpresentation Games and simulation	<ul><li>You tubelectures</li><li>OnlinePPTs</li></ul>	<ul> <li>Increasing role of service industry in India.</li> <li>Changing composition of industries in India.</li> </ul>	Will understand role, progress and problems of manufacturing and service industries in India

### **References:**

- 1. 1 Business Environment, Francis Cherunilam ,Himalaya Publishing House Pvt. Ltd., Mumbai
- 2. Economics of Environment, Garg M. R, RBSA Publishers, Jaipur
- 3. Environmental Economics, Singh G. N. Singh G. N. Mittal Publications, New Delhi
- 4. Industrial Growth in India, Ahluwalia J. J, Oxford University Press, New Delhi
- 5. Industrial Economics in India, Desai B., Himalaya Publishing House Pvt. Ltd., Mumbai
- 6. Industrial Economics, Birthwal R. R., Wiley Eastern Ltd., New Delhi
- 7. Environmental Economics: Theory & Applications., Singh & Shishodia, Sage Publication, New Delhi
- Economics of Environment of Business (with case studies), Puri V. K., Mishra S. K., Himalaya Publishing House Pvt. Ltd.. Mumbai
- 9. Indian Economy Its Growing Dimensions., Dhar P. K., Kalyani Publishers, New Delhi
- 10. Datt&Sundharam's Indian Economy, GauravDatt&AshwiniMahajan, S. Chand & Company Ltd., New Delhi
- 11. Industrial Economics, Singh A & A.N. Sadhu, Himalaya Publishing House Pvt. Ltd., Bombay
- 12. Indian Economy- Its Development Experience., Puri V. K., Mishra S. K., Himalaya Publishing House Pvt. Ltd., Mumbai
- 13. Indian Economy, Tandon B. B., Tandon K. K., McGraw Hill Publishing Company Ltd., New Delhi
- 14. Indian Economy: Problems of Development & Planning., Agrawal A. N., New Age International, New Delhi

15. India's Economic Policies., Jalan B., Viking, New Delhi

16. Industrial Economics – Indian Perspective, Francis Cherunilam, Himalaya Publishing House.

#### WEB REFERENCES:

Sr.	Lectures	Films	Animation	PPTs	Articles
no					
1	www.youtube.com/	www.pbs.org/independen	Eprints.manipal.edu	www.learnpick.in//	www.preservearticles.com/ec
	user/TheMrunalPat	tlens/blog/earth-day-	/78288/1/search_pa	1691/environmental-	onomics/problems-in
	<u>el</u>	watch	per_final[1].pdf	issues-india	
2	www.weforum.org/	www.imdb.com/search/k	www.bbvaopenmin	www.slideshare.net/l	www.yourarticlelibrary.com/
	agenda/2017/10/eig	eyword/?keywords=indus	d.com/en/technolog	uxminy/industrial	industries/industrialization
	ht-key-facts	<u>trial</u>	<u>y/innovation/7</u>		
3	www.toppr.com//i	www.youtube.com/watch	www.livemint.com/	www.learnpick.in/pri	www.researchgate.net/public
	ndian-industrial-	?v=jN2j6diwCFc	Consumer/srodhe89	me/documents/ppts/d	ation/316284188_Major
	policies		5MOz60byz2e0DL/	etails/	
4	www.youtube.com/	www.youtube.com/watch		www.eai.in/ref/ae/wt	www.yourarticlelibrary.com/
	watch?v=yqzzqbkv	?v=W7Mfznn9OkM		e/typ/clas/india_indus	industries/indian-industries
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# CORE COMPULSARY SUBJECT

Subject: Operations Research

Course Code: 402 A

**Preamble to the syllabus:** Operations research deals with operational planning control issues and execution. In is needed in all sectors of the society. One of the objective to operations manager is that how to make use of the available resources in the best way to achieve certain objective. Quantitative approaches are indeed needed in tackling many of such problems.

Operations Research (OR) deals with problem formulation and application of analytical methods to assist in decision-making of operational problems in planning and control. The techniques of OR are useful quantitative tools to assist operations managers, and has a wide applicability in engineering, manufacturing, construction, financial and various service sectors.

#### **Objective of the Program**

- 1. To understand and master the concepts of Operations Research.
- 2. To inculcate an attitude of enquiry, logical thinking about Quantitative techniques.
- 3. To develop skills of facing real life problems using operational research techniques.
- 4. To prepare students to understand the art of applying Operational research techniques.
- 5. To gain knowledge of Operations research.

Unit No.	Unit Title	Contents	
1	Game Theory	Introduction, Characteristics of game theory, Two person zero sum game, Pay off and pay off matrix, saddle point, pure strategy, mixed strategy, value of game, Dominance Principle, Algebraic system of solving 2X2 Game, Numerical problems	
2	Linear Programmin g Problem (L.P.P.)		
3.	Transportati on Problem (T. P.) and Assignment Problem	Definition, T.P. as L.P.P., balanced and unbalanced T.P., Methods of finding Initial Basic Feasible Solution (I.B.F.S.) - North – West corner method, Matrix Minima Method, Vogel's approximation method, Optimal solution by U-V method, Maximization and degeneracy in T.P. Definition, balanced and unbalanced A.P., Hungarian method, Variations of A.P (maximization and restrictions), Numerical Problems	