Lecture Plan 1

Semester:-IV   Class:EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-I

S. No.	**Topic :-**General introduction to the subject.	Time Allotted:-
1.	Introduction – General introduction to the subject. Discuss the syllabus. Break-up of marks. Acquaint the students in the basic economic concept and their operational significance in order to stimulate him to think systematically and objectively about the contemporary economic problems.	10 min
2	Division of the Topic General introduction to the subject. Uses and application. Discuss the syllabus. Break-up of marks Reference books.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Clarification of doubts if any.	5 min

Assignment to be given: - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 2

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-I

S. No.	**Topic :-** Definition of Economics-Wealth & Material Welfare definitions	Time Allotted:-
1.	Introduction – A definition delimits the boundaries of a subject clearly and correctly and to study it scientifically and properly. Hence it is very important to define the current issue. In order to facilitate the study, definitions have been divided into four broad categories.	10 min
2	Division of the Topic ➢ **Wealth definitions** ➢ **Material welfare definitions** ➢ Scarcity definitions ➢ Growth oriented definition. Features of definitions Merits Demerits.	35 min
3.	Conclusion Economics have been growing continuously hence the definitions given so far either became redundant or were done away with due to various short-comings.	10 min
4	Question / Answer What are the various characteristics of welfare definitions.	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri

Lecture Plan 3

S. No.	**Topic :-** Definition of Economics-Scarcity & Growth oriented definitions.	Time Allotted:-
1.	Introduction – Revision of the previous lecture.	10 min
2	Division of the Topic ➢ Scarcity definitions ➢ Growth oriented definition. Features of definitions Merits Demerits	35 min
3.	Conclusion Comparison between various definitions. The best definition.	10 min
4	Question / Answer Which is the most appropriate definition of economics?	5 min

Assignment to be given: - what rae the various characteristics of Marshall's definition? Hopw is it different from Robin's definition?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 4

Semester:-IV   Class: EEE.   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-I

S. No.	**Topic :-** Relation between Science, Engineering and Technology	Time Allotted:-
1.	Introduction – Economic development is the primary objective of the world's nations. The knowledge of Science , application of engineering and advanced technology are pre-conditions to economic development.	10 min
2	Division of the Topic Role of science in economic development. Role of engineering in economic development. Role of technology in economic development.	35 min
3.	Conclusion The knowledge of Science, application of engineering and advanced technology are pre-conditions to economic development.	10 min
4	Question / Answer What is the role of science, engineering and technology in economic development.	5 min

Assignment to be given: -- nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 5

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-I

S. No.	**Topic :-**Economic laws.	Time Allotted:-
1.	Introduction – Introduction to economic laws and their importance.	10 min
2	Division of the Topic Definition of laws. Characteristics of laws. Types of laws. Characteristics of economic laws.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Definition of laws?	5 min

Assignment to be given: - what are the various characteristics of economic laws?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 6

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-I

S. No.	**Topic :-** Production possibility curve.(PPC)	Time Allotted:-
1.	Introduction – Nature of economic problems.	10 min
2	Division of the Topic Central problems of the economy. Definition of PPC Assumptions Concavity of PPC.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Why is PPC concave?	5 min

Assignment to be given: - why is PPPC concave?
Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 7

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-I

S. No.	**Topic :-** Production possibility curve.(PPC)	Time Allotted:-
1.	Introduction – Revision of the previous lecture.	10 min
2	Division of the Topic Opportunity Cost. Uses of PPC.	35 min
3.	Conclusion Summary of the previous lecture.	10 min
4	Question / Answer What is Opportunity Cost.	5 min

Assignment to be given: - What is Opportunity Cost.
Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 8

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-II

S. No.	**Topic :-**Utility analysis.	Time Allotted:-
1.	Introduction – General introduction.	10 min
2	Division of the Topic Definition Features concepts of utility Relation between total utility and marginal utility	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Relation between total utility and marginal utility?	5 min

Assignment to be given: - Relation between total utility and marginal utility?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 9

Semester:-IV　　　　　Class: EEE　　　　　Course Code:-HUM-201-F

Subject:-ECONOMICS.　　　　　　　　　　　　Unit:-II

S. No.	Topic :-Utility Analysis	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Laws of utility analysis 　　1. Law of diminishing marginal utility. 　　2. Law of equi – marginal utility. Definitions Assumptions Explanation Exceptions Causes of its application	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Define Utility Assumptions ,Explanation, Exceptions of laws of utility analysis?	5 min

Assignment to be given: -NIL

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 10

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-II

S. No.	**Topic :- Utility Analysis**	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Importance of the law of diminishing marginal utility. Derivation of demand curve with the help of law of diminishing marginal utility. Criticism	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Importance of the law of diminishing marginal utility.	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 11

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-II

S. No.	**Topic :- Utility Analysis**	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Law of equi – marginal utility. Definitions Assumptions Explanation Exceptions Causes of its application Derivation of demand curve with the help of law of equi – marginal utility. Criticism	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Derivation of demand curve with the help of law of equi – marginal utility?	5 min

Assignment to be given: - Derivation of demand curve with the help of law of equi – marginal utility?
Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 12

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-III

S. No.	Topic :-Theory of demand	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min
2	Division of the Topic Definition of demand Law of demand Definitions Assumption Explanation	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer What is law of demand?	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri

Lecture Plan 13

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-II

S. No.	**Topic :- Theory of demand**	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Individual and market demand schedule. Reason for the downward slope of demand. Exceptions of law of demand.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Reason for the downward slope of demand?	5 min

Assignment to be given: - Reason for the downward slope of demand?
Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 14

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-III

S. No.	Topic :- Theory of demand	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Determinants of demand Movement along demand curve. Sift of the demand curve. Extension and increase in demand. Contraction and decrease in demand	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Determinants of demand ?	5 min

Assignment to be given: -

Extension and increase in demand.

Contraction and decrease in demand?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 15

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-III

S. No.	**Topic :-Elasticity of demand**	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min

2	Division of the Topic
	
	 Meaning
	 Definition
	 Degrees of price elasticity of demand
	      1. perfectly elastic
	      2. unitary elastic
	      3. inelastic
	      4. elastic
		35 min

3.	Conclusion Summary of the lecture.	10 min

4	Question / Answer
	
	    1. Perfectly elastic?
	    2 Unitary elastic?
		5 min

Assignment to be given: -

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 16

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-III

S. No.	**Topic :- Elasticity of demand**	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min
2	Division of the Topic Measurement of price elasticity of Demand.. • Total expenditure method • Proportionate method • Point elasticity method • Arc elasticity method • Revenue method	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer • Proportionate method? • Point elasticity method?	5 min

Assignment to be given: -What are various methods of measurement of price elasticity of Demand?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 17

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-III

S. No.	Topic :- Elasticity of demand	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min
2	Division of the Topic Factors determining the price elasticity of demand. Income elasticity of demand Cross elasticity of demand Importance of price elasticity of demand	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Cross elasticity of demand?	5 min

Assignment to be given: - Importance & application of price elasticity of demand

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 18

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-IV

S. No.	**Topic :-Theory of cost**	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min
2	Division of the Topic Various concepts of costs. • Fixed cost • Variable cost • Average cost • Marginal cost • Real cost & opportunity cost.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer • Average cost? • Marginal cost? • Real cost & opportunity cost?	5 min

Assignment to be given: - Explain Various concepts of costs?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 19

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-IV

S. No.	Topic :- Theory of cost	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min
2	Division of the Topic Shape of average cost • Average cost • Marginal cost • Total cost In short run and long run respectively	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer • Average cost? • Marginal cost?	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan20

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-IV

S. No.	**Topic :-Laws of production**	Time Allotted:-
1.	Introduction – General introduction to the topic	10 min
2	Division of the Topic Factors of production Time period Laws of variable proportion • Increasing returns to factor • Constant returns to factor. • Diminishing returns to factor. Definitions ,Assumption ,Explanation	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Factors of production?	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 21

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-IV

S. No.	Topic :- Laws of production	Time Allotted:-
1.	Introduction – Revision of previous lecture.	10 min
2	Division of the Topic Condition of applicability. Postponement of the law Application of the law	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Application of the law	5 min

Assignment to be given: - Condition of applicability?
Postponement of the law?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 22

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-IV

S. No.	**Topic :- Laws of production**	Time Allotted:-
1.	Introduction – General introduction to the lecture	10 min
2	Division of the Topic Returns to scale Definitions ,Assumption ,Explanation Increasing returns to scale Constant returns to scale Decreasing returns to scale	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 23

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-IV

S. No.	Topic :- Laws of production	Time Allotted:-
1.	Introduction – General introduction to the lecture	10 min
2	Division of the Topic Economies of scale Internal-economies and diseconomies of scale External -economies and diseconomies of scale Distinction between return to factor and returns to scale.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Internal-economies and diseconomies of scale?	5 min

Assignment to be given: - Distinction between return to factor and returns to scale?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 24

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-V

S. No.	**Topic :-Types of markets**	Time Allotted:-
1.	Introduction – General introduction to the lecture	10 min
2	Division of the Topic Meaning of market Characteristics of market Definition Perfect competition- meaning , definition, Characteristics Monopoly meaning , definition, Characteristics	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Perfect competition- meaning , definition, Characteristics	5 min

Assignment to be given: - what are the various types of competition?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 25

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-V

S. No.	Topic :- Types of markets	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Imperfect competition-Monopolistic competition &Oligopoly Monopolistic competition- meaning , definition, Characteristics Oligopoly- - meaning , definition, Characteristics	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Imperfect competition-Monopolistic competition &Oligopoly	5 min

Assignment to be given: - - nil

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 26

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-V

S. No.	Topic :- Types of markets	Time Allotted:-
1.	Introduction – General introduction to the lecture	10 min
2	Division of the Topic Comparison between Monopoly and perfect competition. Comparison between Monopolistic and perfect competition	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Comparison between Monopoly and perfect competition.	5 min

Assignment to be given: - Comparison between Monopolistic and perfect competition
Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 27

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-V

S. No.	Topic :-Supply	Time Allotted:-
1.	Introduction – General introduction to the lecture	10 min
2	Division of the Topic Meaning and definition of supply Law of supply Definition Assumption Explanation Movement along supply curve and shift in supply curve	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Law of supply?	5 min

Assignment to be given: - Law of supply,Definition,Assumption?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 28

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-V

S. No.	Topic :-Supply	Time Allotted:-
1.	Introduction – Revision of previous lecture	10 min
2	Division of the Topic Role of demand and supply in price determination Effects of changes in demand and supply on prices.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Effects of changes in demand and supply on prices.	5 min

Assignment to be given: - Role of demand and supply in price determination

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 29

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-VI

S. No.	Topic:-Nature and characteristics of Indian economy.	Time Allotted:-
1.	Introduction – General introduction to the topic.	10 min
2	Division of the Topic Brief and elementary introduction to nature and characteristics of Indian economy.	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Why is India considered to be a developing country?	5 min

Assignment to be given: - Why is India considered to be a developing country?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan30

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-VI

S. No.	Topic :-Privatization	Time Allotted:-
1.	Introduction – General introduction to the topic.	10 min
2	Division of the Topic Privatization-merits and demerits	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Privatization-merits and demerits?	5 min

Assignment to be given: - Privatization-merits and demerits?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 31

Semester:-IV   Class: EEE   Course Code:-HUM-201-F

Subject:-ECONOMICS.   Unit:-VI

S. No.	Topic :-Globalization of Indian economy	Time Allotted:-
1.	Introduction – General introduction to the topic.	10 min
2	Division of the Topic Globalization of Indian economy-merits and demerits	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer Globalization of Indian economy-merits and demerits?	5 min

Assignment to be given: - Globalization of Indian economy-merits and demerits?

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.

Lecture Plan 32

Semester:-IV   Class: EEE   Course Code:-HUM-201-F
Subject:-ECONOMICS.   Unit:-VI

S. No.	Topic :-Elementary concepts of VAT,WTO,GATT & TRIPS agreement	Time Allotted:-
1.	Introduction – General introduction to the topic.	10 min
2	Division of the Topic Elementary concepts of VAT WTO, GATT TRIPS agreement	35 min
3.	Conclusion Summary of the lecture.	10 min
4	Question / Answer WTO? GATT? TRIPS agreement?	5 min

Assignment to be given: - Elementary concepts of VAT

Reference Readings: - Economics for Engineers by T.R. Jain & Ohri.