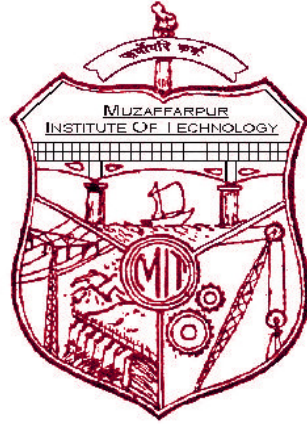


MIT MUZAFFARPUR



COURSE FILE OF I E & A (241606)



Faculty Name:

IRFAN HAIDER

ASSISTANT PROFESSOR, MECHANICAL ENGINEERING



विज्ञान एवं प्रावैधिकी विभाग

Department of Science and Technology
Government of Bihar

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Muzaffarpur Institute of Technology,
Muzaffarpur
Institute vision and mission

Vision of the Institution

To serve the nation and society by providing skilled and well developed human resource through excellence in technical education and research.

Mission of the Institution

- To provide state-of-the-art undergraduate and postgraduate programs to bright students for overall development.
- To promote leadership and professionalism among the students and faculty by providing right ambience.
- To encourage the innovation and research by undertaking project and developmental activities with industries, institutions and government.

Muzaffarpur Institute of Technology,
Muzaffarpur
Institute vision and mission

Vision of the department

To strengthen the region through imparting superior quality technical education and research; which enables the fulfillment of industrial challenge and establish itself as a Centre of Excellence in the field of Mechanical Engineering.

Mission of the department

- To build an academic environment of teaching and lifelong learning for students to make them competitive in context with advance technological, economical and ecological changes.
- To enable the students to enhance their technical skills and communication through research, innovation and consultancy projects.
- To share and explore the accomplishments through didactic, enlightenment, R & D programs with technical institution in India and abroad.

PROGRAMME OUTCOMES:

PO1	Engineering knowledge: An ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to get the solution of the engineering problems.
PO2	Problem analysis: Ability to Identify, formulates, review research literature, and analyze complex engineering problems.
PO3	Design/development of solutions: Ability to design solutions for complex engineering problems by considering social, economical and environmental aspects.
PO4	Conduct investigations of complex problems: Use research-based knowledge to design, conduct analyse experiments to get valid conclusion.
PO5	Modern tool usage: ability to create, select, and apply appropriate techniques, and to model complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Ability to apply knowledge by considering social health, safety, legal and cultural issues.
PO7	Environment and sustainability: Understanding of the impact of the adopted engineering solutions in social and environmental contexts.
PO8	Ethics: Understanding of the ethical issues of the Mechanical engineering and applying ethical principles in engineering practices.
PO9	Individual and teamwork: Ability to work effectively as an individual or in team, as a member or as a leader.

PO10	Communication: An ability to communicate clearly and effectively through different modes of communication.
PO11	Project management and finance: Ability to handle project and to manage finance related issue
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1.	Graduates will be able to pursue successful professional career in Mechanical Engineering with sound technical and managerial capabilities to meet the needs of the society.
PEO2.	Graduates will have skills and knowledge to formulate, analyze and solve problems in mechanical engineering to meet challenges globally.
PEO3.	Graduates will have the readiness for continuous learning by pursuing higher education and research in the allied areas of science and technology.

PROGRAM SPECIFIC OUTCOMES

PSO1	Apply their understanding in the realm of Design, Production and thermal fluid sciences to solve engineering problems using latest technologies.
PSO2	Students will be well equipped with industrial management skills and interdisciplinary technologies
PSO3	Extend and implement innovative thinking on product design and development with the aid of modern tools.

Institute / School Name :	Muzaffarpur Institute of Technology		
Program Name	B.Tech		
Course Code	241606		
Course Name	Industrial Economics and Accountancy		
Lecture / Tutorial (per week):	3/1	Course Credits	3.5
Course Coordinator Name	Irfan Haider		

Course Objectives: The course content enables students to

1. To introduce the students to basics of theory and application of econometric methods.
2. The objective of this course is to explore the economics of industries and to equip students with an understanding of how economics affect the business strategy of companies in these industries.
3. Managers of tomorrow who understand the economics of these technology intensive industries would be better prepared to beat the competition and be more successful than the others.
4. To acquire the knowledge/skill to evolve competitive strategies and thereby determine the conduct of a firm in the market.
5. To create an awareness of the importance and usefulness of the accounting function.
6. To develop an understanding of financial statements and the principles and concepts underlying them.
7. To lay foundation for developing skills to interpret Financial Statements.
8. To create an awareness about cost accounting for cost management.

Course Outcome

Mapping Of CO with PO and PSO

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	1	2	1	1	2	1	1	1	1	1	1	1	2	1	1
CO2	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2
CO3	2	1	1	2	1	1	1	1	1	1	3	1	2	1	1
CO4	1	1	1	2	1	1	1	1	1	1	3	1	2	1	2

SYLLABUS

INDUSTRIAL ECONOMICS & ACCOUNTANCY

L-T-P : 3-1-0

Credit : 4

1. Various definitions of Economics : Nature of Economic Problem, Relation between science, Engineering, Technology & Economics **Lecture : 3**

2. Meaning of demand, Law of Demand, Elasticity of demand, Practical importance & application of the concept of elasticity of Demand **Lecture : 5**

3. Meaning of Production and factor of Production : Land, labor, Capital ,Entrepreneur & Organization –their Characteristics law of variable Proportion .Return to Scale **Lecture : 5**

4. Cost Analysis : Various concept of cost, Cost function, Short & Long run cost. Concept of Revenue ,Break-Even Analysis **Lecture : 5**

5. Meaning of Market : Type of market – Perfect completion, Monopoly, Oligopoly, Monopolistic competition, Main feature of these market), Meaning of Supply and Law of Supply, R ole of Demand & Supply in price in prime determination imperfect t competition **Lecture : 7**

6. Engineering Economy : (a) Simple and compound interest, Annuities, (b)Basic methods For making economy Studies - (i) Present worth method, (ii) Future worth method (iii)I.R.R method (c) Comparison of alternative – (i) Present worth method, (ii) Future Worth method (iii) I.R.R method. **Lecture : 7**

7. Accounting: Meaning Scope and Role of accounting , Accounting concept & Convention. Accounting as information System. Recording of transaction in journal and Ledgers. Trial –Balance, Preparation of final Account. **Lecture : 9**

Text Book :

1. Modern Micro Economics by Theory - H.L.Ahuja-S.Chand
2. Advance Economic Theory by M .L.Jhingan- Konark Publication

3. Engineering Economics by Degarmo , Sullican & Canada –McMillan
4. Double Entry Book Keeping by T.S.Grewal –S .Chand
5. “Economics” by Roger A. Arnold 9th Edition
6. “Engineering Economics” by ames . Riggs, aid edworth, abah Randhawa, David D. Bedworth
7. “Management Accounting” by Khan and ain

Reference Books:

1. Stonier & Hague by A test book of Economic Theory-Pearson
2. Industrial Organisation and Engg. Economics by Banga & Sharma

MUZAFFARPUR INSTITUTE OF TECHNOLOGY
B.Tech. 6th (Sixth) Semester (2015 Batch) TIME TABLE w.e.f 09.02.2018

DAY	Branch	I (10-10.50AM)	II (10.50-11.40AM)	III (11.40-12.30PM)	IV (12.30-01.20PM)	V (01.50-2.40PM)	VI (2.40-3.30PM)	VII (3.30-4.20PM)	
MON	Mech	H.M.T.(AK)47	C.M.Str.(NK) 47	NCManu(SK) 47	Ins&Msr(NKD) 47	R	SEMINAR 47	GATE CLASSES	
	Elect	C.O.&Arc(C-IT)36	PwrElncs(NK) 36	CMN SYS(MK) 36	Micr Pro(AKS) 36		---- PWR. ELNCS. LAB. (NK+HCV) / COMN. SYS LAB. (MK/SK) ----		
	Civil	CON.STR (RS)48	ST. STR. (PS) 48	ENV ENGG(SIK) 48	S&Rmch(AP) 48		----S&Rmch. LAB (AKR+AP) /ENV. ENGG. --I LAB (SIK+SS+AR)----		
	EC	NW THEQ(SA) EB2	INT INS(SK) FB2	SG SYS(MS) EB2	O.F.CMN(RK) EB2		EM FT(FA) EB2	GATE CLASSES	GATE CLASSES
	IT	OS(KPS) EB4	OS(KPS) EB4	ART. INT(----)EB4	OS(KPS) EB4		D.&A of A.(KPS) EB4	D.M.&W(----)EB4	
	LT		L.BIOTECH1(SK)LB2		P.&P.T.Oprn(SK)LB2				
	PHAR	-----PHARMACEUTICS - VII LAB. (RKC+VP) -----							
TUE	Mech	Ins&Msr(NKD) 47	I.E.&A.(IH) 47	NCManu(SK) 47	DME(SG) 47	E	Phrctcs-VII (RKC) LB2	PhChemV(SNS) LB2	
	Elect	Micr Pro(AKS) 36	PwrElncs(NK) 36	GATE	GATE		NCManu T (SK) 47	NCManu T (SK) 47	GATE CLASSES
	Civil		ST. STR(KU) 48	CON.STR (KU) 48			MICROPRO.LAB(AKS+NK)/ ELECT. INSTM. LAB.(RSS) -		
	EC	SG SYS(MS) EB2	IMAGE PRO. (MK) EB2	O.F.CMN(RK) EB2	EM FT(FA) EB2		----DES. OF CONCRETE STR-I LAB (KU+RS) /TRANSPORTATION ENGG. LAB(NK+PK)----		
	IT	D.&A of A.(KPS) EB4	D.&A of A.(KPS) EB4	VIS PRGM(----)EB4	D.&A of A.(KPS) EB4		NW THE(SA) EB2	NW THE(SA) EB2	
	LT	L.BIOTECH1(SK)LB1	I.E.&A(IH) LB2	P.&P.T.Oprn(SK)LB2			D.M.&W(----)EB4	OS. (KPS) EB4	
	PHAR	-----PHARMACEUTICAL CHEMISTRY- VI LAB (SNS+RPK) -----							
WED	Mech	NCManu(SK) 47	C.M.Str.(HK) 47	I.E.&A.(IH) 47	H.M.T.(AK) 47	C	PhChemVI(SNS) LB2	Phrcgnsy-V(SK)LB2	Pharclgy - II(AB)LB2
	Elect	PwrElncs(NK) 36	Micr Pro(AKS) 36	CMN SYS(MK) 36	GATE		M1-DME LAB (SG+SK+RKR)/ M2-T- C.M.Str.(HK) 47		
	Civil	St STR(AKR)4R	ENV ENGG(SS)48	S&R MCH(AKR)48	CON.STR (KU)48		---- COMN. SYS.LAB. (MK/RK) / PWR. ELNCS. LAB. (NK+HCV) ----		
	EC	INT INS(SK) EB2	SG SYS(MS) EB2	GATE CLASSES			GATE CLASS	GATE CLASS	
	IT		D.M.&W(----)EB4	SFT ENG(AK)EB4			----- INTELLIGENT INSTRUMENTS' LAB(SK/RK)-----		
	LT		CH. ENGG.3(MKR)LB2	I.E.&A(IH)LB2	L.P.T.1(MK)LB2		----- SOFTWARE ENGG. SESS. (AK) -----		
	PHAR	-----PHARMACOGNOSY - V LAB.(NRB+SK) -----							
THU	Mech	Ins&Msr(NKD) 47	I.E.&A(IH) 47	C.M.Str.(AKM) 47	DME.(SG) 47	E	Phrcgnsy-V(SK)LB2	Phrctcs-VII (RKC) LB2	
	Elect	CMN SYS(MK) 36		U.E.PWR(RKM) 36	El Ins&M. (RSS) 36		M2-DME LAB (SG+SK+RKR)/ M1-T- C.M.Str.(HK) 47		
	Civil	ENV ENGG(SS) 48	STR.ANA. (VK) 48	S&R MCH(AKR) 48	TP ENGG(PK) 48		-ELECT. INST & M. LAB.(RSS)/ MICROPRO.LAB (AKS+MS)-		
	EC	O.F.CMN(RK) EB2	IMAGE PRO. (MK) EB2	GATE CLASSES			----DES. OF CONCRETE STR- I LAB (KU+RS) /TRANSPORTATION ENGG. LAB(NK+PK)----		
	IT		VISUAL PROGRAMMINGH LAB				----- NETWORK THEORY LAB(SA+MS) -----		
	LT	L.BIOTECH1(SK)LB2	P.of Mat Tstg.(AK)LB2	I.E.&A(IH) LB2	CH. ENGG.3(MKR) LB2		GATE CLASS	GATE CLASS	
	PHAR	-----PHARMACOLOGY - II LAB.(AB) -----							
FRI	Mech	H.M.T.(AK) 47	DME.(SG) 47	M1-T- Ins&Msr(NKD) T47		S	Pharclgy - II (AB) LB2	Phar.An. III(RPK) LB2	Phrctcs-VII (RKC) 1 LB2
	Elect		C.O.&Arc(C-IT) 36	U.E.P.T(RKM) 36	El Ins&M. (RSS) 36		M1-H.M.T. LAB. (AK+NK+GK)/ M2-T- Ins&Msr(NKD) T47		
	Civil	GATE CLASS	GATE CLASS	STR.ANA.(PS)48	TP ENGG(PK)48		GATE CLASS	GATE CLASS	
	EC		EM FT(FA) EB2	INT INS(SK) EB2	IMAGE PRO. (MK) EB2		----- DESIGN OF STEEL STR. Sessional (AKR+KU+PS) 47-----		
	IT		ART INT(----)EB4	VIS PRGM(----)EB4	SFT ENG(AK)EB4		----- NETWORK THEORY LAB(SA+MS) -----		
	LT			I.E.&A(IH) LB2	CH. ENGG.3(MKR) LB2				
	PHAR	Pharclgy - II (AB) LB2	Phar.An. III(RPK) LB1						
SAT	Mech	M2-T- I.E.&A(IH) 47		GATE CLASSES		S	L.P.T.1(MK) LB2	P.&P.T.Oprn(SK) LB2	P.of Mat Tstg.(AK) LB2
	Elect	El Ins&M. (RSS) 36	U.E.PR.T(RKM) 36	U.E.P.T(RKM) 36	C.O.&Arc(C-IT) 36		----- PHARMACEUTICAL ANALYSIS - III LAB.(RPK) -----		
	Civil		STR.ANA.(VK) 48	TP ENGG. (PK) 48			M1-H.M.T. LAB. (AK+NK+GK)/ M2-T- Ins&Msr(NKD) 47		
	EC	IMAGE PR(T)(MK) EB2	EM FT(FA) EB2	SG SYS(MS) EB2	O.F.CMN(T)(RK) EB2		El Ins&M. (RSS) 36	GATE CLASS	GATE CLASS
	IT	VIS PRGM(----)EB4	ART INT(----)EB4	SFT ENG(AK)EB4			----S&Rmch. LAB (AKR+AP) /ENV. ENGG. --I LAB (SIK+SS+AR)----		
	LT			L.P.T.1(MK) LB2	P.of Mat Tstg.(AK) LB2		----- INTELLIGENT INSTRUMENTS' LAB(SK/RK) -----		
	PHAR		Phrcgnsy-V(SK) LB2	PhChemV(SNS) LB1	Phar.An. III(RPK) LB1	GATE CLASS	GATE CLASS		

Asst.Prof.-in-charge (TT)

Prof.-in-charge (TT)

Principal

Jan-2020			Feb-2020			Mar-2020			Apr-2020			May-2020			Jun-2020			
Wed	1	New Year Celebration	Sat	1		Sun	1		Wed	1	Samrat Ashok Jayanti	Fri	1	Labour Diwas	Mon	1		
Thu	2	Guru Govind Singh Jayanti	Sun	2	Workshop on Aurdino (End)	Mon	2		Thu	2	Ramnava mi	Sat	2	Janki Navami	Tue	2		
Fri	3		Mon	3	Hands on Training on MATLAB (Start)	Tue	3		Fri	3		Sun	3		Wed	3		
Sat	4		Tue	4		Wed	4		Sat	4		Mon	4		Thu	4		
Sun	5		Wed	5	Internal SIH (Hardware Edition)	Thu	5		Sun	5		Tue	5	Display of Mid Term Evaluation	Fri	5		
Mon	6	Commencement of classes	Thu	6	Internal SIH (Hardware Edition)	Fri	6	Display of Attendance	Mon	6	Mahavir Jayanti	Wed	6		Sat	6		
Tue	7		Fri	7	Hands on Training on MATLAB (End)	Sat	7		Tue	7		Thu	7	Budhh Purnima	Sun	7		
Wed	8		Sat	8		Sun	8		Wed	8		Fri	8		Mon	8		
Thu	9		Sun	9	Sant Ravidas Jayanti	Mon	9	Holi	Thu	9	Shabe Barat	Sat	9	Submission of Major Project Report (8 th Sem)	Tue	9		
Fri	10	SPP Proposal Submission	Mon	10	Special Lecture on NBA	Tue	10			Fri	10	Good Friday	Sun	10		Wed	10	
Sat	11	Internal SIH (Software Edition)	Tue	11		Wed	11			Sat	11		Mon	11		Thu	11	
Sun	12		Wed	12		Thu	12			Sun	12		Tue	12	End of Semester	Fri	12	
Mon	13	Mentor-Mentee Meet	Thu	13		Fri	13			Mon	13		Wed	13	External Practical Viva (Start)	Sat	13	
Tue	14	Submission of mentorship report	Fri	14		Sat	14		Tue	14	Dr. Bhimrao Ambedkar Jayanti	Thu	14		Sun	14		

Wed	15	Makar Sankranti	Sat	15	Industrial visit for 6th semester	Sun	15		Wed	15		Fri	15		Mon	15	
Thu	16		Sun	16		Mon	16		Thu	16		Sat	16		Tue	16	
Fri	17	Titled of Major Project submission (8th sem only)	Mon	17		Tue	17	Workshop by Leather Dept.	Fri	17		Sun	17		Wed	17	
Sat	18		Tue	18		Wed	18		Sat	18		Mon	18	External Practical Viva (End)	Thu	18	
Sun	19		Wed	19		Thu	19		Sun	19		Tue	19		Fri	19	
Mon	20		Thu	20		Fri	20		Mon	20	Lab Internal Viva (Start)	Wed	20		Sat	20	
Tue	21	Disaster Safety Awareness Program at EQSC & Centre	Fri	21	Mahashivratri	Sat	21		Tue	21		Thu	21		Sun	21	
Wed	22	Last date for MOOC's Courses Registration (4th sem)	Sat	22	UDGAM 2020 (Start)	Sun	22	Bihar Diwas	Wed	22	Lab Internal Viva (End)	Fri	22	University Examination (Start)	Mon	22	
Thu	23		Sun	23	UDGAM 2020 (End)	Mon	23		Thu	23	Veer Kuwar Singh Jayanti	Sat	23		Tue	23	
Fri	24		Mon	24		Tue	24	Mid-Term Project Evaluation Presentation (8th sem)	Fri	24		Sun	24		Wed	24	
Sat	25		Tue	25	Tech-Fest (Start)	Wed	25		Sat	25	Mid-Term Examination (Start)	Mon	25	Eid-UI-Fitar (Eid)	Thu	25	
Sun	26	Republic Day	Wed	26	Tech-Fest (End)	Thu	26		Sun	26		Tue	26		Fri	26	
Mon	27		Thu	27	Industry-Institute Interaction	Fri	27	Mentor-Mentee Meet	Mon	27		Wed	27		Sat	27	

Summer Vacation (End on 30th June)

					2020 (Start)											
Tu	2	Workshop on "Disaster Safety Awareness"	Fri	2	Industry-Institute Interaction 2020 (End)	Sat	2	Submission of mentors hip report	Tu	2		Th	2		Su	2
Wed	2		Sat	2	Alumni Meet 2020	Su	2		Wed	2	Mid-Term Examination (End)	Fri	2		Mon	2
Thu	3	Vasant Panchami				Mon	3		Thu	3		Sat	3	University Examination (End)	Tu	3
Fri	3	Workshop on Aurdino (Start)				Tu	3					Su	3			

LIST OF STUDENTS

SL. NO.	ROLL NO.	AKU REG. NO.	NAME
1	15M01	15102107066	ASHISH CHAURASIA
2	15M02	15102107067	RAJ KAMAL
3	15M03	15102107068	VIVEK KUMAR
4	15M04	15102107069	RAM BHADRA JHA
5	15M05	15102107070	RITU RAJ
6	15M06	15102107071	SUMIT KUMAR
7	15M07	15102107072	PAWAN KUMAR PIYUSH
8	15M08	15102107073	HIMANSHU KUMAR
9	15M09	15102107074	ANMOL
10	15M10	15102107075	MADHU PRIYA
11	15M11	15102107076	SANJAN KUMAR YADAV
12	15M12	15102107077	PRAVEEN KUMAR
13	15M13	15102107078	VIKASH KUMAR KESHRI
14	15M14	15102107079	AHSAN SOHAIL
15	15M15	15102107080	MUKESH KUMAR ROY
16	15M17	15102107081	SUMAN KUMAR SINHA
17	15M18	15102107082	RITESH KUMAR
18	15M23	15102107084	SAROJ KUMAR PASWAN
19	15M24	15102107085	MAYANK
20	15M25	15102107086	ASHOK DAS
21	15M26	15102107087	ALOKRAJ
22	15M28	15102107089	ASHIWANI KUMAR
23	15M29	15102107090	NEHAL ANSARI
24	15M30	15102107091	DHARMENDRA KUMAR
25	15M31	15102107092	ASHVANI KUMAR
26	15M32	15102107093	DHANANJAY KUMAR
27	15M34	15102107094	RANJAN KUMAR
28	15M35	15102107095	ANURAG KUMAR RAVI
29	15M36	15102107096	RAVI RAJ

30	15M37	15102107097	ANKIT AKASH
31	15M38	15102107098	PRAMENDRA KUMAR
32	15M39	15102107099	RAMESH KUMAR
33	15M40	15102107100	GANGA RAM MANDAL
34	15M41	15102107101	ROHIT KUMAR
35	15M42	15102107102	UJJWAL KASHYAP
36	15M44	15102107104	NISHANT KIRAN
37	15M46	15102107105	AMAN KUMAR JHA
38	15M47	15102107106	NITISH KUMAR
39	15M48	15102107107	NAVEEN KUMAR
40	15M49	15102107108	DHANANJAY KUMAR CHOUDHARY
41	15M50	15102107109	AAKASH KUMAR
42	15M51	15102107110	DEEPAK KUMAR
43	15M52	15102107111	SURANJAN KUMAR
44	15M53	15102107112	MONU KUMAR
45	15M54	15102107113	SANJEEV KUMAR ADITYA
46	15M55	15102107114	ISHA SHARMA
47	15M56	15102107115	NEETU GUPTA
48	15M57	15102107116	AMIT KUMAR
49	15M59	15102107117	MANISH KUMAR SINGH
50	15M60	15102107118	ABHINANDAN KUMAR
51	15M61	15102107119	RAM KUMAR MAHTO
52	15M62	15102107120	ROHIT RAJ
53	15M16	15102107121	SAJAN KUMAR
54	15M20	15102107122	MD AFTAB ALAM
55	15M21	15102107123	DHEERAJ KUMAR
56	15M58	15102107124	MERAJ AHMED
57	15M19	15102107125	SHANUR RAHMAN WAHID
58	15M33	15102107277	RAHUL KUMAR
59	15M65	15104107195	PRAKASH KUMAR
60	15M63	15104107198	VIKAS KUMAR SAXENA

61	15M66	15104107204	ANAND MOHAN DEO
62	15M67	15104107212	ADITYA KUMAR
63	15M64	15104107213	SUMIT KUMAR
64	16(LE)M09	16102107901	RAUSHAN KUMAR SINGH
65	16(LE)M10	16102107902	HIMANSHU CHANDRA
66	16(LE)M06	16102107903	KUMAR PRATIK VISHWAS
67	16(LE)M01	16102107904	ADITYA KUMAR
68	16(LE)M02	16102107905	SHAKTI KUMAR
69	16(LE)M08	16102107906	NIRBHAY KUMAR
70	16(LE)M03	16102107907	ROHIT KUMAR
71	16(LE)M05	16102107908	KAMLESH KUMAR
72	16(LE)M04	16102107909	KUMARI PRIYA RANJAN
73	16(LE)M07	16102107910	VIKRANT KUMAR

LECTURE PLAN

Topics	Lecture No.	Date of delivery
Introduction and various definitions of Economics	1	
Nature of Economic Problem	2	
Relation between science, Engineering Technology & Economics	3	
Meaning of demand	4	
Law of demand	5	
Elasticity of demand	6	
Practical importance and application of the concept of elasticity of demand	7	
Meaning of Production and factor of Production	8	
Factors namely Land, labor, Capital ,Entrepreneur & Organization	9	
Characteristics of different Factors of production	10	
Law of variable proportion	11	
Law of return to scale	12	
Cost Analysis of Various concept of cost	13	
Cost function, Short & Long run cost	14	
Concept of Revenue	15	
Break even analysis	16	
Meaning and type of different market conditions	17	
Perfect competition market	18	
Monopoly market	19	
Oligopoly market	20	
Monopolistic competition market	21	
Meaning and nature of different types of supply	23	
Different laws of supply	24	
Meaning and nature of different types of demand	25	
Different laws of demand	26	
Role of Demand in price determination	27	
Role of Supply in price determination	28	
Imperfect t competition market	29	
Simple and compound interest, Annuities	30	
Basic methods For making economy Studies	31	
Present worth method, Future worth method	32	
I.R.R method	33	
Comparison of alternative methods of economic studies	34	
Meaning Scope and Role of accounting	35	
Accounting concept & Convention	36	
Accounting as information System	37	
Recording of transaction in journal and Ledgers.	38	
Trial –Balance	39	
Preparation of final Account	40	

Assignment-I

1. What do you understand by term economics? Explain its importance in industries.
2. What is marginal utility?
3. What is law of demand?
4. Define opportunity cost?
5. What is Microeconomics?
6. Define Entrepreneurship.

Assignment II

1. Discuss about relationship between science, engineering, technology and economics.
2. What do you understand the term Demand? Discuss various determinants of demand.
3. Explain the law of variable proportion. Mention the practical use of this law.
4. What do you understand by price elasticity, income elasticity and cross elasticity of demand?

Discuss various method of measuring price elasticity of demand?

Assignment III

1. What is meant by production? Describe briefly the features and factors of production.
2. What are the central problems of economy?
3. State the exception of law of demand.
4. Explain total product, average product and marginal product.

M.I.T. Muzaffarpur

VI (Mech+LT)

MID SEMESTR EXAM.-2016 (Summer)

Time: 2 Hours

I.E. & A.

Questions are of equal value

Full Marks: 20

Answer any four questions.

1. What do you mean by production? Also describe the characteristics of land and labour.
2. Define and describe Entrepreneur with its functions and importance.
3. (a) Describe the factors to be considered during selection among alternatives.
(b) Establish relationships between Present worth Future worth and annuity.
4. State and explain the Law of returns to scale.
5. Define and describe demand. Also describe the determinants of demand.
6. Write notes on any one of the following:
 - (a) Law of variable proportion
 - (b) Methods of selection among alternatives
 - (c) Break-even analysis
 - (d) Concept of cost.

----- APS -----

Code : 241606

(2)

B. Tech 6th Semester Exam., 2014

INDUSTRIAL ECONOMICS AND
ACCOUNTANCY

Time : 3 hours akubihar.com

Full Marks : 70

Instructions:

- (i) All questions carry equal marks.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Write True or False (any seven) :

- (a) According to Marshall, Economics is the science which is related with the problem of choice. akubihar.com
- (b) There is no difference among desire, want and demand.
- (c) In case of inferior good, the income elasticity of demand is zero.
- (d) No factor is fixed in long run.
- (e) Returns to scale is a short-run concept.

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(Turn Over)

- (f) An average cost curve will normally be U-shaped in the short period and in the long period.
- (g) Product differentiation is an important feature of a monopolistic competition.
- (h) Trade discount is taken into account while recording a transaction.
- (i) Personal transactions are distinguished from the business transactions in accordance with the business entity assumption.
- (j) Patent rights are in the nature of nominal account. akubihar.com

2. Define Economics. Discuss the role of engineering in economic development.

3. Discuss law of demand. What are the exceptions to this law?

4. Define price elasticity, income elasticity and cross elasticity of demand. Discuss the importance of price elasticity of demand.

5. Discuss various characteristics of perfect competition and distinguish it with monopolistic competition.

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(Continued)

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(3)

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- 6. State and explain the law of returns to scale.
- 7. What is accounting? Differentiate between accounting and book-keeping.
- 8. What do you understand by profit and loss account? Differentiate it with balance sheet.
- 9. A company invests ₹ 50,00,000 each year for 10 years starting 1 year from now. What is the equivalent future worth if the rate of interest is 10% per year?

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Code : 241606

B.Tech. 6th Semester Exam., 2015**INDUSTRIAL ECONOMICS AND
ACCOUNTING**

Time : 3 hours

Full Marks : 70

Instructions :

- (i) All questions carry equal marks.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Answer any seven of the following questions :

- ~~(a)~~ What is positive economics?
- ~~(b)~~ What is demand?
- ~~(c)~~ What are the factors of production?
- ~~(d)~~ What are 'out of pocket costs' and 'book costs'?
- ~~(e)~~ What is monopoly?
- ~~(f)~~ What is NPV?
- ~~(g)~~ What is IRR?
- (h) What are final statements?
- (i) What is money measurement concept?
- (j) What is conservatism?

2. Define economics. Discuss the nature of economic theory.

~~3.~~ What are the exceptions to the law of demand?

~~4.~~ Briefly explain the supply and its determinants.

5. Explain total product, average product and marginal product.

~~6.~~ Discuss the conditions of short-run equilibrium of a firm under perfect competition.

7. Distinguish between fixed cost and variable cost. Explain the concept of semi-variable cost in this context.

~~8.~~ Differentiate between NPV method and IRR method. Which one is better?

~~9.~~ Differentiate between accounting and book-keeping.

4. State the law of increasing returns. Discuss the causes of increasing returns.
5. What do you understand by fixed cost and variable cost? Distinguish between them.
6. What are the methods to be followed for economy studies? Discuss the capital recovery and returns.
7. What do you understand by monopolistic competition? Discuss its salient features.
8. What is financial accounting? Distinguish between Book-keeping and Accounting.
9. (a) Distinguish between the P/L Account and Balance Sheet.
(b) The difference between simple and compound interest on a sum kept for 5 years at 3% interest rate is ₹ 46.80. Find the sum.

Code : 241606

(2)

- (c) Tea and coffee are
 - (i) complementary goods
 - (ii) related goods
 - (iii) unrelated goods
 - (iv) None of the above
- (d) Which one of the following is exception to law of demand?
 - (i) Giffen goods
 - (ii) Future change in price
 - (iii) Change in fashion
 - (iv) All of the above
 - (v) None of the above
- (e) Which one of the following is a real account?
 - (i) Salary A/c
 - (ii) Bank A/c
 - (iii) Building A/c
 - (iv) Goodwill A/c
- (f) Which one of the following is known as Book of Original Entry?
 - (i) Cash Book
 - (ii) Journal
 - (iii) Ledger
 - (iv) Sales Book

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(Continued)

Code : 241606

B.Tech 6th Semester Exam., 2016

INDUSTRIAL ECONOMICS AND
ACCOUNTANCY

Time : 3 hours

Full Marks : 70

Instructions :

- (i) All questions carry equal marks.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Answer any seven of the following multiple-choice questions :

- (a) Which one of the following is not a type of elasticity in economics?
 - (i) Income elasticity
 - (ii) Price elasticity
 - (iii) Utility elasticity
 - (iv) Cross elasticity
 - (v) None of the above
- (b) Demand of salt is inelastic
 - (i) due to low price
 - (ii) because there is no substitute.
 - (iii) because its absence makes food tasteless
 - (iv) All of the above

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(Turn Over)

(3)

- (g) Discounting method is used for cash flow of
 - (i) future worth
 - (ii) present worth
- (h) In a cash-flow diagram, the profits, revenues and salvage value are all considered as
 - (i) inflow
 - (ii) outflow
- (i) _____ is the price of which demand for a commodity is equal to its supply.
 - (i) Normal price
 - (ii) Equilibrium price
 - (iii) Short-run price
 - (iv) Secular price
- (j) In a competitive market, _____ is a price maker.
 - (i) firm
 - (ii) industry
 - (iii) consumer
 - (iv) trade association

2. Critically examine the definition of economics as given by Marshall.

3. Why do the demand curve slope downwards to the right? What are its exceptions?

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(Turn Over)

INDUSTRIAL ECONOMICS
AND ACCOUNTANCY

Time : 3 hours

Full Marks : 80

Instructions :

- (i) All questions carry equal marks.
- (ii) There are **NINE** questions in this paper.
- (iii) Attempt **FIVE** questions in all.
- (iv) Question No. 1 is compulsory.

1. Answer any seven questions :

- (a) Is economics a natural, exact or social science? Give reasons in support of your answer.
- (b) Give one example each of Giffen goods and neutral goods.
- (c) List any four factors of production.
- (d) Who is an entrepreneur?
- (e) List two assumptions underlying break-even analysis.

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(Turn Over)

(2)

(a) What is imperfect competition better known as?

(b) State any two reasons for the existence of monopoly.

(c) Define annuities.

(d) Distinguish between personal account and nominal account.

2. (a) What is a monopoly? How does it differ from monopolistic competition?

(b) How are price and output determined in short run under monopoly?

3. What is elasticity of demand? Explain income and cross elasticity of demand.

4. Define returns to scale. What conditions constitute (a) increasing returns to scale and (b) decreasing returns to scale?

5. What are explicit and implicit costs? How do they differ? Give examples of each.

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(Continued)

(3)

6. Explain the application of the concept of time value of money to the computation of future values.

7. State the law of supply. Also explain what is depicted by a supply schedule.

8. Outline the role of journal and ledger in recording and classifying financial transactions in a firm.

9. What is the objective of preparation of a trial balance? List three types of accounting errors which will not be revealed by the trial balance, giving examples of each.

MID SEM MARKS

SL. NO.	ROLL NO.	AKU REG. NO.	NAME	Marks
1	15M01	15102107066	ASHISH CHAURASIA	25
2	15M02	15102107067	RAJ KAMAL	25
3	15M03	15102107068	VIVEK KUMAR	22
4	15M04	15102107069	RAM BHADRA JHA	25
5	15M05	15102107070	RITU RAJ	25
6	15M06	15102107071	SUMIT KUMAR	24
7	15M07	15102107072	PAWAN KUMAR PIYUSH	26
8	15M08	15102107073	HIMANSHU KUMAR	26
9	15M09	15102107074	ANMOL	27
10	15M10	15102107075	MADHU PRIYA	24
11	15M11	15102107076	SANJAN KUMAR YADAV	24
12	15M12	15102107077	PRAVEEN KUMAR	26
13	15M13	15102107078	VIKASH KUMAR KESHRI	24
14	15M14	15102107079	AHSAN SOHAIL	23
15	15M15	15102107080	MUKESH KUMAR ROY	23
16	15M17	15102107081	SUMAN KUMAR SINHA	22
17	15M18	15102107082	RITESH KUMAR	24
18	15M23	15102107084	SAROJ KUMAR PASWAN	24
19	15M24	15102107085	MAYANK	24
20	15M25	15102107086	ASHOK DAS	24
21	15M26	15102107087	ALOKRAJ	22
22	15M28	15102107089	ASHIWANI KUMAR	22
23	15M29	15102107090	NEHAL ANSARI	24
24	15M30	15102107091	DHARMENDRA KUMAR	22
25	15M31	15102107092	ASHVANI KUMAR	22
26	15M32	15102107093	DHANANJAY KUMAR	24
27	15M34	15102107094	RANJAN KUMAR	22
28	15M35	15102107095	ANURAG KUMAR RAVI	23
29	15M36	15102107096	RAVI RAJ	22

30	15M37	15102107097	ANKIT AKASH	25
31	15M38	15102107098	PRAMENDRA KUMAR	25
32	15M39	15102107099	RAMESH KUMAR	25
33	15M40	15102107100	GANGA RAM MANDAL	26
34	15M41	15102107101	ROHIT KUMAR	27
35	15M42	15102107102	UJJWAL KASHYAP	24
36	15M44	15102107104	NISHANT KIRAN	25
37	15M46	15102107105	AMAN KUMAR JHA	26
38	15M47	15102107106	NITISH KUMAR	24
39	15M48	15102107107	NAVEEN KUMAR	24
40	15M49	15102107108	DHANANJAY KUMAR CHOUDHARY	24
41	15M50	15102107109	AAKASH KUMAR	25
42	15M51	15102107110	DEEPAK KUMAR	24
43	15M52	15102107111	SURANJAN KUMAR	25
44	15M53	15102107112	MONU KUMAR	22
45	15M54	15102107113	SANJEEV KUMAR ADITYA	20
46	15M55	15102107114	ISHA SHARMA	26
47	15M56	15102107115	NEETU GUPTA	27
48	15M57	15102107116	AMIT KUMAR	23
49	15M59	15102107117	MANISH KUMAR SINGH	23
50	15M60	15102107118	ABHINANDAN KUMAR	22
51	15M61	15102107119	RAM KUMAR MAHTO	25
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54	15M20	15102107122	MD AFTAB ALAM	25
55	15M21	15102107123	DHEERAJ KUMAR	25
56	15M58	15102107124	MERAJ AHMED	26
57	15M19	15102107125	SHANUR RAHMAN WAHID	22
58	15M33	15102107277	RAHUL KUMAR	26
59	15M65	15104107195	PRAKASH KUMAR	24
60	15M63	15104107198	VIKAS KUMAR SAXENA	25

61	15M66	15104107204	ANAND MOHAN DEO	24
62	15M67	15104107212	ADITYA KUMAR	25
63	15M64	15104107213	SUMIT KUMAR	24
64	16(LE)M09	16102107901	RAUSHAN KUMAR SINGH	22
65	16(LE)M10	16102107902	HIMANSHU CHANDRA	22
66	16(LE)M06	16102107903	KUMAR PRATIK VISHWAS	19
67	16(LE)M01	16102107904	ADITYA KUMAR	23
68	16(LE)M02	16102107905	SHAKTI KUMAR	23
69	16(LE)M08	16102107906	NIRBHAY KUMAR	22
70	16(LE)M03	16102107907	ROHIT KUMAR	25
71	16(LE)M05	16102107908	KAMLESH KUMAR	23
72	16(LE)M04	16102107909	KUMARI PRIYA RANJAN	24
73	16(LE)M07	16102107910	VIKRANT KUMAR	24