Ref No:			
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SRI KRISHNA INSTITUTE OF TECHNOLOGY, BANGALORE-90



Academic Year 2019-20

Program:	B E – CIVIL ENGINEERING		
Semester:	6		
Course Code:	CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP		
Course Title:	17CV61		
Credit / L-T-P:	4/4-0-0		
Total Contact Hours:	40		
Course Plan Author:	Vinod M		

Academic Evaluation and Monitoring Cell

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Note: Remove "Table of Content" before including in CP Book

Each Course Plan shall be printed and made into a book with cover page

Blooms Level in all sections match with A.2, only if you plan to teach / learn at higher levels

A. COURSE INFORMATION

1. Course Overview

Degree:	BE	Program:	
Year / Semester :	2019/VI	Academic Year:	2019-20
Course Title:	CONSTRUCTION MANAGEMENT AND ENTERPRENEURSHIP	Course Code:	17CV61
Credit / L-T-P:	4-0-0	SEE Duration:	180 Minutes
Total Contact Hours:	40	SEE Marks:	80 Marks
CIA Marks:	40	Assignment	1 / Module
Course Plan Author:	Vinod M	Sign	Dt:
Checked By:	MOHAN K T	Sign	Dt:
CO Targets	CIA Target: 85 %	SEE Target:	78 %

Note: Define CIA and SEE % targets based on previous performance.

2. Course Content

Content / Syllabus of the course as prescribed by University or designed by institute. Identify 2 concepts per module as in G.

Mod	Content	Topobi	Identified	Dlooms
		Teachi	Module	Blooms
ule		ng		Learning
_	NA	Hours	Concepts	Levels
1	Management: Characteristics of management, functions of	10	Management,	L1,L2,L3
	management, importance and purpose of planning process,		Construction	
	types of plans Construction Project Formulation:		Project	
	Introduction to construction management, project		Formulation	
	organization, management functions, management styles			
	Construction Planning and Scheduling: Introduction, types			
	of project plans,			
	work breakdown structure, Grant Chart, preparation of			
	network diagram- event and activity based and its critical			
	path-critical path method, concept of activity			
<u> </u>	on arrow and activity on node.		D	
2	Resource Management: Basic concepts of resource		Resource	L1,L2,L3
	management, class of labour, Wages & statutory		Management, Construction	
	requirement, Labour Production rate or Productivity, Factors			
	affecting labour output or productivity. Construction		Equipments:	
2		10	Construction	111212
3		_		L1,L2,L3
			values	
	Bribes, Price Fixing, Whistle Blowing.			
3	Equipments: classification of construction equipment, estimation of productivity for: excavator, dozer, compactors, graders and dumpers. Estimation of ownership cost, operational and maintenance cost of construction equipments. Selection of construction equipment and basic concept on equipment maintenance Materials: material management functions, inventory management. Construction Quality , safety and Human Values: Construction quality process, inspection, quality control and quality assurance, cost of quality, ISO standards. Introduction to concept of Total Quality Management HSE: Introduction to concepts of HSE as applicable to Construction. Importance of safety in construction , Safety measures to be taken during Excavation , Explosives , drilling and blasting , hot bituminous works , scaffolds / platforms / ladder , form work and equipment operation. Storage of materials. Safety through legislation, safety campaign. Insurances. Ethics : Morals, values and ethics, integrity, trustworthiness , work ethics, need of engineering ethics, Professional Duties, Professional and Individual Rights, Confidential and Proprietary Information, Conflict of Interest Confidentiality, Gifts and	10	Construction quality ,safety and Human Values	L1,L2,L3

	Introduction to engineering economy: Principles of engineering economics, concept on Micro and macro analysis, problem solving and decision making. Interest and time value of money: concept of simple and compound interest, interest formula for: single payment, equal payment and uniform gradient series. Nominal and effective interest rates, deferred annuities, capitalized cost. Comparison of alternatives: Present worth, annual equivalent, capitalized and rate of return methods, Minimum Cost analysis and break even analysis		Introduction to engineering economy, Interest and time value of money:	L1,L2,L3
5	Entrepreneurship: Evolution of the concept, functions of an entrepreneur, concepts of entrepreneurship, stages in entrepreneurial process, different sources of finance for entrepreneur, central and state level financial institutions. Micro, Small & Medium Enterprises (MSME): definition, characteristics, objectives, scope, role of MSME in economic development, advantages of MSME, Introduction to different schemes: TECKSOK, KIADB, KSSIDC, DIC, Single Window Agency: SISI, NSIC, SIDBI, KSFC Business Planning Process: Business planning process, marketing plan, financial plan, project report and feasibility study, guidelines for preparation of model project report for starting a new venture. Introduction to international entrepreneurship opportunities, entry into international business, exporting, direct foreign investment, venture capital		Business Planning, Entrepreneurshi p	L1,L2,L3
-	Total	50		

3. Course Material

Books & other material as recommended by university (A, B) and additional resources used by course teacher (C).

- 1. Understanding: Concept simulation / video ; one per concept ; to understand the concepts ; 15 30 minutes
- 2. Design: Simulation and design tools used software tools used; Free / open source

3. Research: Recent developments on the concepts – publications in journals; conferences etc.

Modul	Details	Chapters	Availability
es		in book	•
Α	Text books (Title, Authors, Edition, Publisher, Year.)	-	-
	Text books		
1	P C Tripathi and P N Reddy, "Principles of Management", Tata McGraw-Hill Education	In Lib	1
I .	Chitkara, K.K, "Construction Project Management: Planning Scheduling and Control", Tata McGraw- Hill Publishing Company, New Delhi.		
	Poornima M. Charantimath , "Entrepreneurship Development and Small Business Enterprise", Dorling Kindersley (India) Pvt. Ltd., Licensees of Pearson Education		2
1	Bureau of Indian standards – IS 7272 (Part-1)- 1974 : Recommendations for labour output constant for building works	In dept	
	Dr. U.K. Shrivastava "Construction Planning and Management", Galgotia publications Pvt. Ltd. New Delhi.		
	Harold Koontz, Heinz Weihrich, "Essentials of Management: An International, Innovation, and Leadership perspective", T.M.H. Edition, New Delhi		3
	Frank Harris, Ronald McCaffer with Francis Edum-Fotwe, " Modern Construction Management",	Not Availabl	

	Lun -		I
	Wiley-Blackwell	е	
	S.C Sharma – "Construction Equipments and its management" – Khanna		
	publishers		
	Robert L Peurifoy, Clifford J. Schexnayder, Aviad Shapira, Robert Schmitt,		
	"Construction Planning,		
	Equipment, and Methods (Civil Engineering), McGraw-Hill Education		
В	Reference books (Title, Authors, Edition, Publisher, Year.)	-	
	1 Robert L Peurifoy, Clifford J. Schexnayder, Aviad Shapira, Robert	?	In Lib
	Schmitt, "Construction Planning,		
	Equipment, and Methods (Civil Engineering), McGraw-Hill Education		
	2. Harold Koontz, Heinz Weihrich, "Essentials of Management: An		
	International, Innovation, and		
	Leadership perspective", T.M.H. Edition, New Delhi		
	3. Frank Harris, Ronald McCaffer with Francis Edum-Fotwe, "Modern		
	Construction Management", Wiley-Blackwell		
	4. Mike Martin, Roland Schinzinger, "Ethics in Engineering", McGraw-Hill		
	Education		
	5. Chris Hendrickson and Tung Au, "Project Management for		
	Construction - Fundamentals Concepts for Owners, Engineers,		
	Architects and Builders", Prentice Hall, Pitsburgh		
	6. James L.Riggs , David D. Bedworth , Sabah U. Randhawa " Engineerng		
	Economics" 4 ed tata Mc Graw hill.		
	7. S.C Sharma -"Construction Equipments and its management" -		
	Khanna publishers		
		?	Not Available
		?	In lib
С	Concept Videos or Simulation for Understanding	-	-
C1	https://youtu.be/2zM35VRDC-Q		
C2	https://youtu.be/jjUyHwuUwbk		
C3	https://youtu.be/_yeWv1dT5KE		
C4	https://youtu.be/CoqNr8svEs0		
C5	https://youtu.be/ypTiYyh7YT0		
C6	https://youtu.be/vS3103XfH_0		
C7	https://youtu.be/84EjjdgYP8I		
C8	https://youtu.be/oeox8DLagHU		
C9	https://youtu.be/CnStAWc7iOw		
C10	https://youtu.be/NCtyl1ILH7k		
	Lab: -		
D	Software Tools for Design	-	-
Е	Recent Developments for Research	-	_
	Others (Web Video Simulation Notes etc.)		
F	Others (Web, Video, Simulation, Notes etc.)	-	-
1			
?			

4. Course Prerequisites

Refer to GL01. If prerequisites are not taught earlier, GAP in curriculum needs to be addressed. Include in Remarks and implement in B.5.

Students must have learnt the following Courses / Topics with described Content . . .

Mod ules	Course Code	Course Name	Topic / Descri	otion S	Sem	Remarks	Blooms Level
1							
3							
3							
5							
-							
-							

5. Content for Placement, Profession, HE and GATE

The content is not included in this course, but required to meet industry & profession requirements and help students for Placement, GATE, Higher Education, Entrepreneurship, etc. Identifying Area / Content requires experts consultation in the area.

Topics included are like, a. Advanced Topics, b. Recent Developments, c. Certificate Courses, d. Course

Projects, e. New Software Tools, f. GATE Topics, q. NPTEL Videos, h. Swayam videos etc.

Mod	Topic / Description	Area	Remarks	Blooms
Mod ules				Level
1				
2				
3				
4				
-				
-				

B. OBE PARAMETERS

1. Course Outcomes

Expected learning outcomes of the course, which will be mapped to POs. Identify a max of 2 Concepts

per Module. Write 1 CO per Concept.

рег м	odule. While	e 1 CO per Concept.					
Mod	Course	Course Outcome	Teach.	Concept		Assessme	Blooms'
ules	Code.#	At the end of the course, student	Hours		Method	nt	Level
		should be able to				Method	
1	17CV61.1	Understand characteristics of	•	Manageme	Lecture	Assignme	L1, L2
		management and construction		nt,		nt	
		management process					
1 1	17CV61.2	Understand and solve variety of	5	Constructi	Lecture	Assignme	L3
		issues of construction		on Project		nt	
		encountered by every		Formulatio			
		professional in discharging		n			
		professional duties.					
2	17CV61.3	The student should be able to:	5	Resource	Lecture	Assignme	L1, L2
		Material management		Manageme		nt	
				nt,			
2	17CV61.4	Quality management	5	Constructio	Lecture	Assignme	L1, L2
				n _		nt	
				Equipment			
	0) (0			S:			
3	17CV61.5	planning techniques.	5	Constructio	Lecture	1. •	L2
	01 (0 - 0			n quality ,		nt	
3	17CV61.6	professional duties	5	safety and	Lecture	Assignme	L3
				Human		nt	
	0) (0		_	Values	1	A	1 -
4	17CV61.7	stages in entrepreneurial	5	Introductio	Lecture	Assignme	L3
		processes.		n to		nt	
				engineerin			
	470\/64.0			g economy	Laakuus	A a a i au a ua a	
4	17CV61.8	economic development.	5	Interest	Lecture	Assignme	L3

				and time		nt	
				value of			
				money			
5	17CV61.9	understand business planning	5	Business	Lecture	Assignme	L3
		process		Planning,		nt	
5	17CV61.10	understand the nature of	5	Entreprene	Lecture	Assignme	L3
		international entrepreneurship.		urship		nt	
-	_	Total		-	-	-	L1-L3

2. Course Applications

Write 1 or 2 applications per CO.

Students should be able to employ / apply the course learnings to . . .

Mod	Application Area	CO	Level
ules	1 1		
	CM is working "at risk", therefore have incentive to act in the owner's interest, as well as to efficiently manage construction costs, considering they would be liable for any amount in excess of the GMP		
2	Ability to handle changes in design or scope[12]		
3	Optimum use of available funds		
4	Control of the scope of the work		
5	Project scheduling		
6	Optimum use of design and construction firms' skills and talents		
7	Avoidance of delays, changes and disputes		
8	Enhancing project design and construction quality		
9	Optimum flexibility in contracting and procurement		
10	Cash-flow management		

3. Mapping And Justification

CO – PO Mapping with mapping Level along with justification for each CO-PO pair. To attain competency required (as defined in POs) in a specified area and the knowledge & ability required to accomplish it.

requ	i o a te	, 4000	mpusirit.		
Mod	Мар	ping	Mapping	Justification for each CO-PO pair	Lev
ules			Level		el
-	СО	РО	-	'Area': 'Competency' and 'Knowledge' for specified 'Accomplishment'	-
1	CO1	PO1	L2	Engineering knowledge of characteristics of management and	1
				construction management process is required.	
1	CO1	P08	L2	Professional ethics is required for construction management process	1
1	CO1	PO10	L2	Effective Presentation on characteristics of management and	1
				construction management process is required.	
2	CO2	PO1		Engineering knowledge to Understand and solve variety of issues of	1
				construction encountered by every professional in discharging	
				professional duties is required.	
2	CO2	PO8		Professional ethics to Understand and solve variety of issues of	1
				construction encountered by every professional in discharging	
				professional duties required.	
2	CO ₂	PO10	L3	Effective Presentation Understand and solve variety of issues of	1
				construction encountered by every professional in discharging	
				professional duties required.	

3	CO3	PO1	L2	Engineering knowledge of quality management is required.	1
3	CO3	P08	L2	Professional ethics of quality management is required.	1
3	CO3	PO10	L2	Effective Presentation of quality management is required.	1
4	CO4	PO1	L3	Engineering knowledge of material management is required.	1
4	CO4	P08	L3	Professional ethics of material management is required.	1
4	CO4	PO10	L3	Effective Presentation of material management is required.	1
5	CO5	PO1	L2	Engineering knowledge of planning techniques required.	1
5	CO ₅	P08	L2	Professional ethics of planning techniques required.	1
5	CO ₅	PO10	L2	Effective Presentation of planning techniques required.	1
6	CO6	PO1	L3	Engineering knowledge of professional duties is required.	1
6	CO6	P08	L3	Professional ethics of professional duties is required.	1
6	CO6	PO10	L3	Effective Presentation professional duties is required.	1
7	CO7	PO1	L2	Engineering knowledge of stages in entrepreneurial processes is	1
				required.	
7	CO7	P08	L2	Professional ethics of stages in entrepreneurial processes is required.	1
7	CO7	PO10	L2	Effective Presentation of stages in entrepreneurial processes is required.	1
8	CO8	PO1	L3	Engineering knowledge of economic development. Is required.	1
8	CO8	P08	L3	Professional ethics of economic development. Is required	1
8	CO8	PO10	L3	Effective Presentation of economic development. Is required.	1
9	CO9	PO1	L2	Engineering knowledge of business planning process is required.	1
9	CO9	PO8	L2	Professional ethics of business planning process is required.	1
9	CO9	PO10	L2	Effective Presentation of business planning process is required.	1
10	CO10	PO1	L3	Engineering knowledge of nature of international entrepreneurship is	1
				required.	
10	CO10	PO8	L3	Professional ethics of nature of international entrepreneurship is required.	1
10	CO10	PO10	L3	Effective Presentation of nature of international entrepreneurship is	1
				required.	

4. Articulation Matrix

CO - PO Mapping with mapping level for each CO-PO pair, with course average attainment.

- Course Outcomes Mod CO.# At the end of the course student should be able to 1 2 3 4 5 6 7 8 9 10 11 12 01 02 03 1 17CV61.1 Understand characteristics of management and construction management process 1 17CV61.2 Understand and solve variety of issues of construction encountered by every professional in discharging professional duties. 2 17CV61.3 The student should be able to: 1 1 - 1 - 1	Lev el L1, L2						
ules student should be able to 1 2 3 4 5 6 7 8 9 10 11 12 01 02 03 1 17CV61.1 Understand characteristics of management and construction management process 1 - <td>el L1, L2</td>	el L1, L2						
1 17CV61.1 Understand characteristics of 1 1 - 1 - 1 1 1 - 1	L1, L2						
management and construction management process 1 17CV61.2 Understand and solve variety of issues of construction encountered by every professional in discharging professional duties.	L2						
management process 1 17CV61.2 Understand and solve variety of 1 1 - 1 issues of construction encountered by every professional in discharging professional duties.	L3						
1 17CV61.2 Understand and solve variety of 1 1 - 1							
issues of construction encountered by every professional in discharging professional duties.							
encountered by every professional in discharging professional duties.	11						
professional in discharging professional duties.	11						
professional duties.							
2 17CV61.3 The student should be able to: 1 1 - 1 - 1	1 1						
	L1,						
Material management	L2						
2 17CV61.4 Quality management 1 1 - 1	L3						
3 17CV61.5 planning techniques. 1 1 - 1 - 1	L1,						
	L2						
3 17CV61.6 professional duties 1 1 - 1 - 1	L3						
4 17CV61.7 stages in entrepreneurial 1 1 - 1 - 1	L1,						
processes.	L2						
4 17CV61.8 economic development. 1 1 - 1 - 1	L3						
5 17CV61.9 understand business planning 1 1 - 1 - 1	L1,						
process	L2						
5 17CV61.10 understand the nature of 1 - - - - 1 - 1 - -	L3						
international entrepreneurship.							
- Average attainment (1, 2, or 3) 1 - - - - 1 - 1 - -	-						
- PO, PSO 1.Engineering Knowledge; 2.Problem Analysis; 3.Design / Development of Soluti							
4.Conduct Investigations of Complex Problems; 5.Modern Tool Usage; 6.The Engineer	4.Conduct Investigations of Complex Problems; 5.Modern Tool Usage; 6.The Engineer and						

Society;	7.Environme	nt and	Sustainability;	8.Ethics;	9.Individ	dual and	Teamwork;
10.Comn	nunication;	11.Project	Management	and Fi	inance;	12.Life-long	Learning;
S1.Softwo	are Engineerii	ng; S2.Dat	a Base Managei	ment; S3.W	Veb Desig	gn	

5. Curricular Gap and Content

Topics & contents not covered (from A.4), but essential for the course to address POs and PSOs.

Mod ules	Gap Topic	Actions Planned	Schedule Planned	Resources Person	PO Mapping
ules					
1					
2					
3					
4					
5					

6. Content Beyond Syllabus

Topics & contents required (from A.5) not addressed, but help students for Placement, GATE, Higher Education Entrepreneurship etc.

	auon, Entrepreneursn					
Mod	Gap Topic	Area	Actions Planned	Schedule	Resources	PO Mapping
ules				Planned	Person	
1						
1						
2						
2						
3						
3						
4						
4						
5						
5						

C. COURSE ASSESSMENT

1. Course Coverage

Assessment of learning outcomes for Internal and end semester evaluation. Distinct assignment for each student. 1 Assignment per chapter per student. 1 seminar per test per student.

Mod	Title	Teaching		No. o	f quest	ion in	Exam		CO	Levels
ule		Hours	CIA-1	CIA-2	CIA-3	Asg	Extra	SEE		
#							Asg			
1	Management:	10	2	-	-	1	1	2	CO1,	L1, L2,
									CO2	L3
2	Resource Management:	10	2	-	-	1	1	2	CO3,	L1, L2,
									CO4	L3
3	Construction Quality , safety and	10	_	2	-	1	1	2	CO5,	L1, L2,
	Human Values:								CO6	L3
4	Introduction to engineering	10	_	2	-	1	1	2	CO7,	L1, L2,
	economy Entrepreneurship:								Co8	L3
5	Evolution of the concept, functions	10	-	-	4	1	1	2	CO9,	L1, L2,
	of an entrepreneur, cSmall &								CO10	L3

_	Total	50	1	4	4	5	5	10	_	_
	(MSME)Business Planning Process:									
	Medium Enterprises									

2. Continuous Internal Assessment (CIA)

Assessment of learning outcomes for Internal exams. Blooms Level in last column shall match with A.2.

Evaluation	Weightage in Marks	СО	Levels
CIA Exam – 1	30	CO1, CO2, CO3, CO4	L2, l3, l4
CIA Exam – 2	30	CO5, CO6, CO7, Co8	L2, L3, L4
CIA Exam – 3	30	CO9, CO10	L2, L3, L4
Assignment - 1	05	CO1, CO2, CO3, CO4	L2, l3, l4
Assignment - 2	05	CO5, CO6, CO7, CO8	L2, L3, L4
Assignment - 3	05	CO9, CO10	L2, L3, L4
Seminar - 1			
Seminar - 2			
Seminar - 3			
Other Activities - define -	·		
Slip test			
Final CIA Marks	40	-	-

D1. TEACHING PLAN - 1

Title:		Appr	16 Hrs
i iitte:	Management	Appr Time:	10 HIS
а	Course Outcomes	-	Blooms
-	The student should be able to:	-	Level
1	Understand characteristics of management and construction	CO1	L1, L2
	management process		
2	Understand and solve variety of issues of construction encountered by	CO2	L3
	every professional in discharging		
	professional duties.		
b	Course Schedule	-	-
Class No	Module Content Covered	СО	Level
1	Characteristics of management, functions of management, importance	CO1	L1
	and purpose of planning process.		
2	Types of plans Construction Project Formulation: Introduction to	CO1	L1
	construction management		
3	Project organization, management functions, management styles	CO1	L2
4	Construction Planning and Scheduling	CO1	L2
5	Introduction, types of project plans.	CO1	L2
6	Work breakdown structure, Grant Chart.	CO2	L3
7	Preparation of network diagram- event.	CO2	L3
8	Activity based and its critical path-critical path method	CO2	L3
9	Concept of activity on arrow.	CO2	L3
10	Concept of activity on activity on node.	CO2	L3
С	Application Areas	СО	Level
1	In Companies and institutions	CO ₁	Lever L3
1	in Companies and institutions	COI	<u>L3</u>
d	Review Questions	-	_
1	Explain the characteristics of management.	CO1	L1
2	Explain the functions of management	CO1	L1
3	Explain the functions and styles of management in construction work	CO1	L3

4	Explain the work break down structure (WBS).	CO2	L2
5	Write a note on gantt Chart	CO2	L3
6	Explain the critical path metho7d	CO2	L3
7	Differentiate between AOA and AON network	CO2	L3
е	Experiences	-	-
1			

Title:	Construction Planning and Scheduling	Appr Time:	10 Hrs
а	Course Outcomes	Time.	Blooms
	The student should be able to:		Level
1	Quality management	CO3	L1, L2
2	Material management	CO4	L3
b	Course Schedule	-	-
	o Module Content Covered	СО	Level
1	Basic concepts of resource management,	CO ₃	L1
2	Class of labour, Wages & statutory requirement,	CO3	L2
3	Labour Production rate or Productivity,	CO ₃	L3
4	Factors affecting labour output or productivity.	CO3	L3
5	Construction Equipments: classification of construction equipment,	CO ₃	L3
6	Estimation of productivity for: excavator, dozer, compactors, graders and dumpers.	CO ₄	 L1
7	Estimation of ownership cost,	CO ₄	L1
8	operational and maintenance cost of construction equipments.	CO4	L2
9	Selection of construction equipment and basic concept on equipment	CO4	L3
	maintenance	·	
10	Material management functions, inventory management.	CO4	L3
С	Application Areas	СО	Level
1	In construction of buildings	CO3	L3
d	Review Questions	-	-
1	Explain the physical resources required for project execution	CO3	L1
2	Describe labour production rate	CO3	L2
3	What are the factors affecting productivity?	CO3	L3
4	How to estimate the productivity for excavator?	CO3	L3
5	Explain the maintenance of equipments described the estimation of	CO ₄	L1
6	ownership cost, operational cost, Describe material management.	CO ₄	L2
	Explain inventory management.	CO4	L2 L3
<u>7</u> 8	Write a short note on functions of material management	CO4	L3
0	write a short note of functions of material management	CO4	
е	Experiences	-	_
1			
2			
3			
4			
5			

E1. CIA EXAM - 1

a. Model Question Paper - 1

Crs (Code:	17CV61	Sem:	VI	Marks:	30	1	Time:	75	minute	S	
Cour	Course: Construction management and entrepreneurship											
-	-	Note: Ans	swer any 2 c	uestions,	each carry eq	ual mar	ks.			Marks	СО	Level
1	а	Explain th	ne characte	ristics of m	anagement.					08	CO1	L1
	b	Explain th	ne functions	of manage	ement					07	CO1	L3
					OR							
2	a	Explain th	ne critical pa	th method						08	CO2	L3
	b	Differentia	ate betweer	AOA and	AON network					07	CO2	L3
3	а	Explain th	ne physical r	esources r	equired for pr	oject exe	ecution			08	CO3	L1
	b	Describe	labour prod	uction rate	ı					07	CO3	L2
					OR							
4	а	Explain in	iventory mai	nagement.						08	CO4	L3
	b	Write a sł	nort note on	functions	of material ma	nageme	ent			07	CO4	L3

b. Assignment -1

Note: A distinct assignment to be assigned to each student.

Note: A distinct assignment to be assigned to each student.									
	Model Assignment Questions								
Crs C			75 minute	es					
Cours	I	9							
		neurship							
		to answer assignments. Each assignment carries equal mark.							
SNo	USN	Assignment Description	Marks	СО	Level				
1		Explain the characteristics of management.	08	CO1	L1				
2		Explain the functions of management	07	CO1	L1				
3		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n 08	CO1	L3				
		construction work							
4		Explain the work break down structure (WBS).	07	CO2	L2				
5		Write a note on gantt Chart	80	CO2	L3				
6		Explain the critical path metho7d	07	CO2	L3				
7		Differentiate between AOA and AON network	08	CO2	L3				
8		Explain the physical resources required for project execution	07	CO3	L1				
9		Describe labour production rate	08	CO3	L2				
10		What are the factors affecting productivity?	07	CO3	L3				
11		How to estimate the productivity for excavator?	08	CO3	L3				
12		Explain the maintenance of equipments described th	e 07	CO4	L1				
		estimation of ownership cost, operational cost,							
13		Describe material management.	80	CO4	L2				
14		Explain inventory management.	07	CO4	L3				
15		Write a short note on functions of material management	08	CO4	L3				
16		Explain the characteristics of management.	08	CO1	L1				
17		Explain the functions of management	07	CO1	L1				
18		Explain the functions and styles of management i	n 08	CO1	L3				
		construction work							
19		Explain the work break down structure (WBS).	07	CO2	L2				
20		Write a note on gantt Chart	08	CO2	L3				
21		Explain the critical path metho7d	07	CO2	L3				
22		Differentiate between AOA and AON network	08	CO2	L3				
23		Explain the physical resources required for project execution	07	CO3	L1				
24		Describe labour production rate	08	CO3	L2				
25		What are the factors affecting productivity?	07	CO3	L3				
26		How to estimate the productivity for excavator?	08	CO3	L3				
27		Explain the maintenance of equipments described th		CO ₄	L1				
′		estimation of ownership cost, operational cost,	''						
	1								

20	Describe material management	08	CO4	La
28	Describe material management.	08	CO ₄	L2
29	Explain inventory management. Write a short note on functions of material management	07 08	CO4	L3 L3
30	Explain the characteristics of management.	08	CO ₄	L1
	Explain the characteristics of management. Explain the functions of management	07	CO1	L1
32		08	CO1	
33	Explain the functions and styles of management in construction work	06		L3
34	Explain the work break down structure (WBS).	07	CO2	L2
35	Write a note on gantt Chart	80	CO2	L3
36	Explain the critical path metho7d	07	CO2	L3
37	Differentiate between AOA and AON network	80	CO2	L3
38	Explain the physical resources required for project execution	07	CO3	L1
39	Describe labour production rate	80	CO3	L2
40	What are the factors affecting productivity?	07	CO3	L3
41	How to estimate the productivity for excavator?	80	CO3	L3
42	Explain the maintenance of equipments described the	07	CO4	L1
	estimation of ownership cost, operational cost,			
43	Describe material management.	80	CO4	L2
44	Explain inventory management.	07	CO4	L3
45	Write a short note on functions of material management	08	CO4	L3
46	Explain the characteristics of management.	08	CO1	L1
47	Explain the functions of management	07	CO1	L1
48	Explain the functions and styles of management in	08	CO1	L3
	construction work			
49	Explain the work break down structure (WBS).	07	CO2	L2
50	Write a note on gantt Chart	08	CO2	L3
51	Explain the critical path metho7d	07	CO2	L3
52	Differentiate between AOA and AON network	08	CO ₂	L3
53	Explain the physical resources required for project execution	07	CO3	L1
54	Describe labour production rate	08	CO3	L2
55	What are the factors affecting productivity?	07	CO3	L3
56	How to estimate the productivity for excavator?	08	CO3	L3
57	Explain the maintenance of equipments described the	07	CO ₄	<u></u> L1
J,	estimation of ownership cost, operational cost,	-,	'	
58	Describe material management.	08	CO4	L2
59	Explain inventory management.	07	CO ₄	L3
60	Write a short note on functions of material management	08	CO4	L3
61	Explain the characteristics of management.	08	CO ₁	<u></u> L1
62	Explain the functions of management	07	CO1	L1
63	Explain the functions and styles of management in construction work	08	CO1	L3
64	Explain the work break down structure (WBS).	07	CO2	L2
65	Write a note on gantt Chart	08	CO2	L3
66	Explain the critical path metho7d		CO2	L3
67	Differentiate between AOA and AON network	07 08	CO2	
68				L3
	Explain the physical resources required for project execution	07	CO3	L1
69	Describe labour production rate	08	CO3	L2
70	What are the factors affecting productivity?	07	CO3	L3
71	How to estimate the productivity for excavator?	08	CO3	L3
72	Explain the maintenance of equipments described the estimation of ownership cost, operational cost,	07	CO ₄	L1
73	Describe material management.	80	CO ₄	L2
74	Explain inventory management.	07	CO4	L3
75	Write a short note on functions of material management	08	CO ₄	L3
76	Explain the characteristics of management.	08	CO1	L1
77	Explain the functions of management	07	CO1	L1
78	Explain the functions and styles of management in	08	CO1	L3
	construction work			

79	Explain the work break down structure (WBS).	07	CO2	L2
80	Write a note on gantt Chart	08	CO2	L3

D2. TEACHING PLAN - 2

Module - 3

Title:	Construction Quality and Human Values	Appr Time:	16 Hrs
a	Course Outcomes	-	Blooms
-	The student should be able to:	-	Level
1	planning techniques.	CO5	L2
2	professional duties	CO6	L3
b	Course Schedule		
Class N	Module Content Covered	СО	Level
1	Construction quality	CO ₅	L3
2	Inspection, quality control and quality assurance,	CO5	L3
3	Total quality management , quality gurus and their teachings	CO5	L3
4	ISO Standards , morals , values and ethics, integrity	CO ₅	L3
5	Trustworthiness, work ethic, need of engineering ethics	CO ₅	L3
6	Professional duties, professional and Individual rights	CO ₅	L3
7	Confidential and proprietary information	CO6	L3
8	Conflict of interest confidentiality	CO6	L4
9	Gifts and bribes, occupational crimes	CO6	L4
10	Price fixing, whistle blowing.	CO6	L4
С	Application Areas	СО	Level
1		CO ₅	
2		CO6	
d	Review Questions	-	-
1	Define quality and what are the dimensions of quality?	CO5	L2
2	Define inspection and what are the types and functions of inspection?	CO5	L3
3	Describe quality control	CO ₅	L2
4	Describe quality assurance	CO5	L3
5	Explain the ISO Standards in construction project development.	CO ₅	L3
6	Differentiate between ethics and morals	CO6	L2
7	Explain integrity and trustworthiness.	CO6	L3
8	Write a short note on professional rights and employee rights.	CO6	L2
9	Explain gift and bribe.	CO6	L3
10	Explain conflict of interest.	CO6	L3
	Experiences	-	-
1			
2			
3			
4			

Title:	Entrepreneurship	Appr	16 Hrs
		Time:	
a	Course Outcomes	-	Blooms
_	The student should be able to:	-	Level

2	economic development.	CO8	L3
_			
b	Course Schedule		
Class N	o Module Content Covered	СО	Level
1	Evolution of the concept	CO7	L3
2	Functions of an entrepreneur, concepts of entrepreneurship	CO7	L3
3	Stages in entrepreneurial process	CO7	L3
4	Different sources of finance for entrepreneur	CO7	L3
5	Central and state level financial institutions	CO7	L3
6	Micro small and medium enterprise (MSME) definition	CO8	L3
7	Characteristics, objectives, scope	CO8	L3
8	Role of MSME in econmic development	CO8	L3
9	Advantages of MSME, steps to start an MSME	CO8	L3
10	Different schemes : TECKSOK, KIADB, KSSIDC, DIC, Single window Agency; SISI, NSIC, SIDBI, KSFC	CO8	L3
С	Application Areas	СО	Level
1	Application Aicas	CO7	L3
		007	
d	Review Questions	-	-
1	Describe how the role of economics gained importance in engineering activities.	CO8	L2
2	What is decision making? Explain the importance of decision making in organizations.	CO7	L3
3	Discuss the interest rate from the lenders and borrowers point of view.	CO8	L2
4	What is continuous interest? Give the expression for future value in terms of continuous interest.	CO8	L3
5	Derive any expression for total interest payable at the end of n years for an amount of P if interest rate is I and interest is compounded n number of times in a year.	CO7	L3
6	How much interest is earned on a principal of Rs.1750 for 5 years 9months at 6 percent compounded monthly?	CO7	L3
7	Find the effective interest rate if the rate of interest if 8% when compounded.(1)yearly (2)biannually (3)quarterly (4)monthly (5)daily. compare the results	CO8	L3
8	A person wishes to have a sum of Rs.1500000 for his daughter's marriage, 10 years from now .He plans to deposit a lumpsum amount which will fetch an interest rate of 6%compounded annually .Determine this sum.	CO8	L3
е	Experiences	_	_
1			

E2. CIA EXAM – 2

a. Model Question Paper - 2

Crs (Crs Code: 17CV61 Sem: VI Marks: 30 Time: 7								·S	
Cour	rse:	Constructi	ion manage	ement and	entrepreneur	ship				
-	-	Note: Ans	wer any 2 c	questions,	each carry ec	ual mar	ks.	Marks	СО	Level
1		Describe l activities.	how the ro	le of ecor	nomics gained	d importa	ance in engineeri	ng 08	CO7	L2
		What is dorganization		king? Expl	ain the impor	tance of	decision making	in 07	CO7	L3
					OR					
2	а	Discuss th	e interest r	ate from th	ne lenders and	d borrowe	ers point of view.	08	CO7	L2
			ontinuous ir ous interes		ve the expres	sion for f	uture value in terr	ns 07	CO7	L3

3	а	Derive any expression for total interest payable at the end of n years for an amount of P if interest rate is I and interest is compounded n number of times in a year.		CO8	L3
	b	How much interest is earned on a principal of Rs.1750 for 5 years 9months at 6 percent compounded monthly?	07	CO8	L3
		OR			
4	а	Find the effective interest rate if the rate of interest if 8% when compounded.(1)yearly (2)biannually (3)quarterly (4)monthly (5)daily. compare the results		CO8	L3
	b	A person wishes to have a sum of Rs.1500000 for his daughter's marriage ,10 years from now .He plans to deposit a lumpsum amount which will fetch an interest rate of 6%compounded annually .Determine this sum.		CO8	L3

b. Assignment - 2

Note: A distinct assignment to be assigned to each student.

			9		del Assignmen		tions			
Crs C	ode:	17CV61	Sem:	VI	Marks:	30	Time:	75 minute	es	
Cours	se:	Construc		manager	ment an	d				
entrepreneurship Note: Each student to answer 2-3 assignments. Each assignment carries equal ma								rla		
SNo.		USN	to ariswer		ssignment Des			Marks	СО	Level
	'	USIN	Dofino qu		hat are the dim			08	CO6	Level L2
2							es and functions of		CO6	L2
			inspection	i?		е тур	es and functions (
3				quality con				80	CO6	L3
4				quality assı				07	CO6	L3
5			Explain developm	the ISO ent.	Standards	n co	onstruction projec	ct 08	CO6	L2
6			Differentia	ite betweei	n ethics and mo	rals		07	CO7	L2
7			Explain in	tegrity and	trustworthiness	S.		08	CO7	L3
8			Write a sh	ort note or	professional ri	ghts ai	nd employee rights	. 07	CO7	L3
9			Explain gi	ft and bribe	9.			08	CO7	L3
10			Explain co	onflict of int	erest.			07	CO7	L2
11				how the r		iics ga	ained importance i	n 08	CO8	L2
12			What is d		ıking? Explain t	he im	oortance of decisio	n 07	CO8	L3
13						nders	and borrowers poir	nt 08	CO8	L3
14			What is d		interest? Give		xpression for futur	e 07	CO8	L3
15			years for compoun	an amoun ded n num	t of P if intere ber of times in a	st rate a year.	yable at the end of is I and interest	is	CO9	L2
16					is earned on a percent compou		ipal of Rs.1750 for monthly?	5 07	CO9	L2
17			Find the e compoun (5)daily. co	effective int ded.(1)year ompare the	erest rate if the ly (2)biannuall results	rate c y (3)c	of interest if 8% whe uarterly (4)monthl	- y	CO9	L3
18			daughter's	s marriage	,10 years from	now .H	Rs.1500000 for h le plans to deposit ın interest rate (a	CO9	L3

	6%compounded annually .Determine this sum.			
19	Define quality and what are the dimensions of quality?	08	CO6	L2
20	Define inspection and what are the types and functions of inspection?	07	CO6	L3
21	Describe quality control	08	CO6	L3
22	Describe quality assurance	07	CO6	L3
23	Explain the ISO Standards in construction project development.	80	CO6	L2
24	Differentiate between ethics and morals	07	CO7	L2
25	Explain integrity and trustworthiness.	08	CO7	L3
26	Write a short note on professional rights and employee rights.	07	CO7	L3
27	Explain gift and bribe.	08	CO7	<u>L3</u>
28	Explain conflict of interest.	07	CO7	L2
29	Describe how the role of economics gained importance in engineering activities.	08	CO8	L2
30	What is decision making? Explain the importance of decision making in organizations.	07	CO8	L3
31	Discuss the interest rate from the lenders and borrowers point of view.	80	CO8	L3
32	What is continuous interest? Give the expression for future value in terms of continuous interest.	07	CO8	L3
33	Derive any expression for total interest payable at the end of n years for an amount of P if interest rate is I and interest is compounded n number of times in a year.	80	CO9	L2
34	How much interest is earned on a principal of Rs.1750 for 5 years 9months at 6 percent compounded monthly?	07	CO9	L2
35	Find the effective interest rate if the rate of interest if 8% when compounded.(1)yearly (2)biannually (3)quarterly (4)monthly (5)daily. compare the results	80	CO9	L3
36	A person wishes to have a sum of Rs.1500000 for his daughter's marriage ,10 years from now .He plans to deposit a lumpsum amount which will fetch an interest rate of 6%compounded annually .Determine this sum.	07	CO9	L3
37	Define quality and what are the dimensions of quality?	08	CO6	L2
38	Define inspection and what are the types and functions of inspection?	07	CO6	L3
39	Describe quality control	08	CO6	L3
40	Describe quality assurance	07	C06	<u></u>
41	Explain the ISO Standards in construction project development.	08	CO6	<u></u> L2
42	Differentiate between ethics and morals	07	CO7	L2
43	Explain integrity and trustworthiness.	08	CO7	 L3
44	Write a short note on professional rights and employee rights.	07	CO7	<u></u>
45	Explain gift and bribe.	08	CO7	<u>L3</u>
45 46	Explain girt and bribe. Explain conflict of interest.	07	CO7	<u>L3</u>
47	Describe how the role of economics gained importance in engineering activities.	08	CO8	L2
48	What is decision making? Explain the importance of decision making in organizations.	07	CO8	L3
49	Discuss the interest rate from the lenders and borrowers point of view.	08	CO8	L3
50	What is continuous interest? Give the expression for future value in terms of continuous interest.	07	CO8	L3
51	Derive any expression for total interest payable at the end of n years for an amount of P if interest rate is I and interest is compounded n number of times in a year.	08	CO9	L2
52	How much interest is earned on a principal of Rs.1750 for 5 years 9months at 6 percent compounded monthly?	07	CO9	L2
53	Find the effective interest rate if the rate of interest if 8% when	08	CO9	L3

	compounded.(1)yearly (2)biannually (3)quarterly (4)monthly (5)daily. compare the results			
54	A person wishes to have a sum of Rs.1500000 for his daughter's marriage ,10 years from now .He plans to deposit a lumpsum amount which will fetch an interest rate of 6%compounded annually .Determine this sum.	07	CO9	L3
55	Define quality and what are the dimensions of quality?	80	CO6	L2
56	Define inspection and what are the types and functions of inspection?	07	CO6	L3
57	Describe quality control	80	CO6	L3
58	Describe quality assurance	07	CO6	L3
59	Explain the ISO Standards in construction project development.	80	CO6	L2
60	Differentiate between ethics and morals	07	CO7	L2
61	Explain integrity and trustworthiness.	80	CO7	L3
62	Write a short note on professional rights and employee rights.	07	CO7	L3
63	Explain gift and bribe.	80	CO7	L3
64	Explain conflict of interest.	07	CO7	L2
65	Describe how the role of economics gained importance in engineering activities.	80	CO8	L2
66	What is decision making? Explain the importance of decision making in organizations.	07	CO8	L3
67	Discuss the interest rate from the lenders and borrowers point of view.	80	CO8	L3
68	What is continuous interest? Give the expression for future value in terms of continuous interest.	07	CO8	L3
69	Derive any expression for total interest payable at the end of n years for an amount of P if interest rate is I and interest is compounded n number of times in a year.	08	CO9	L2
70	How much interest is earned on a principal of Rs.1750 for 5 years 9months at 6 percent compounded monthly?	07	CO9	L2
71	Find the effective interest rate if the rate of interest if 8% when compounded.(1)yearly (2)biannually (3)quarterly (4)monthly (5)daily. compare the results	08	CO9	L3
72	A person wishes to have a sum of Rs.1500000 for his daughter's marriage ,10 years from now .He plans to deposit a lumpsum amount which will fetch an interest rate of 6%compounded annually .Determine this sum.	07	CO9	L3
73	Define quality and what are the dimensions of quality?	80	CO6	L2
74	Define inspection and what are the types and functions of inspection?	07	CO6	L3
75	Describe quality control	08	CO6	L3
76	Describe quality assurance	07	CO6	L3
77	Explain the ISO Standards in construction project development.	80	CO6	L2
78	Differentiate between ethics and morals	07	CO7	L2
79	Explain integrity and trustworthiness.	08	CO7	L3
80	Write a short note on professional rights and employee rights.	07	CO7	L3

D₃. TEACHING PLAN - 3

Title:	Business Planning Process.	Appr	16 Hrs
		Time:	
a	Course Outcomes	-	Blooms
-	The student should be able to:	-	Level
1	understand business planning process	CO9	L3

2	understand the nature of international entrepreneurship.	CO10	L3
b	Course Schedule		
Class N	o Module Content Covered	CO	Level
1	Business planning process	CO9	L2
2	Marketing plan, financial plan	CO9	L3
3	Project report and feasibility study	CO9	L4
4	Preparing a model project report for starting a new venture	CO9	L3
5	International entrepreneurship opportunities the nature of international entrepreneurship	CO9	L4
6	Entry in to international business	CO9	L3
7	exporting	CO9	L3
8	Direct foreign investment	CO9	L3
9	Venture capital	CO9	L3
10	Barriers to international trade	CO10	L2
С	Application Areas	СО	Level
c	Application Areas	CO9	L4
1 2			
1	Review Questions	CO9 CO10	L4
1 2	Review Questions Explain in brief the role of Entrepreneurship in economic development.	CO9 CO10 - CO9	L4
1 2 d	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry?	CO9 CO10 - CO9	L4 L3 -
1 2 d 1	Review Questions Explain in brief the role of Entrepreneurship in economic development.	CO9 CO10 - CO9	L4 L3 - L2
1 2 d 1 2	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry? List the characteristics of small scale scale industries. What is buisness plan?.	CO9 CO10 - CO9 CO9 CO9	L4 L3 - L2 L2
1 2 d 1 2 3 4 5	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry? List the characteristics of small scale scale industries. What is buisness plan?. Explain the importance of buisness plan	CO9 CO10 - CO9 CO9	L4 L3 - L2 L2 L2
1 2 d 1 2 3 4	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry? List the characteristics of small scale scale industries. What is buisness plan?.	CO9 CO10 - CO9 CO9 CO9	L4 L3 - L2 L2 L2 L2
1 2 d 1 2 3 4 5	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry? List the characteristics of small scale scale industries. What is buisness plan?. Explain the importance of buisness plan Explain in detail the contents of a good project report.	CO9 CO10 - CO9 CO9 CO10 CO10	L4 L3 - L2 L2 L2 L2 L2
1 2 d 1 2 3 4 5	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry? List the characteristics of small scale scale industries. What is buisness plan?. Explain the importance of buisness plan	CO9 CO10 - CO9 CO9 CO10 CO10	L4 L3 - L2 L2 L2 L2 L2 L3 L3
1 2 d 1 2 3 4 5 6	Review Questions Explain in brief the role of Entrepreneurship in economic development. What do you mean by small scale industry? List the characteristics of small scale scale industries. What is buisness plan?. Explain the importance of buisness plan Explain in detail the contents of a good project report.	CO9 CO10 - CO9 CO9 CO10 CO10	L4 L3 - L2 L2 L2 L2 L2 L3 L3

E3. CIA EXAM – 3

a. Model Question Paper – 3

Crs C	S Code: 17CV61 Sem: VI Marks: 30 Time: 7									5 minutes				
Cour	se:	Construction management and entrepreneurship												
-	-	Note: Ans	wer any 2 d		Marks	CO	Level							
1	а	Explain in	brief the ro	le of Entre	preneurship ii	n econor	nic de	velopment	t.	08	CO9	L2		
	b	What do y	you mean b	y small sca	ale industry?					07	CO9	L3		
					OR									
2	а	List the characteristics of small scale scale industries.									CO9	L3		
	b	What is buisness plan?.									CO9	L3		
3	а	Explain the importance of buisness plan								08	CO10	L3		
	b	Explain in	detail the d	contents of	a good proje	ct report				07	CO10	L4		
					or						•			
4	а	Describe of	quality conf	trol						08	CO10	L3		
	b	Describe of	quality assu	ırance						07	CO10	L3		

b. Assignment - 3

Note: A distinct assignment to be assigned to each student.

Model Assignment Questions											
Crs Co	ode:	17CV61	Sem:	VI	Marks:	30	Γime: 7	75 minutes			
Course: Construction management and entrepreneurship											
Note: I	Each	student to	o answer 2-3	assignment	s. Each assiç	gnment carrie	es equal mar	k.			
SNo	l	USN Assignment Description								Level	
1		E	Explain in b	rief the role	e of Entrep	reneurship i	in economic	08	CO9	L2	

	alas salas sasa sasa			
	development.	07	CO0	
2	What do you mean by small scale industry?	07 08	CO9	L2
3	List the characteristics of small scale scale industries.		CO9	L2
4	What is buisness plan?.	07	CO10	L2
5	Explain the importance of buisness plan	08	CO10	L3
6	Explain in detail the contents of a good project report.	07	CO10	<u>L3</u>
7	Explain in brief the role of Entrepreneurship in economic development.	80	CO9	L2
8	What do you mean by small scale industry?	07	CO9	L2
9	List the characteristics of small scale scale industries.	08	CO9	L2
10	What is buisness plan?.	07	CO10	L2
11	Explain the importance of buisness plan	08	CO10	L3
12	Explain in detail the contents of a good project report.	07	CO10	L3
13	Explain in brief the role of Entrepreneurship in economic	08	CO9	L2
	development.			
14	What do you mean by small scale industry?	07	CO9	L2
15	List the characteristics of small scale scale industries.	08	CO9	L2
16	What is buisness plan?.	07	CO10	 L2
17	Explain the importance of buisness plan	08	CO10	
18	Explain in detail the contents of a good project report.	07	CO10	<u></u>
19	Explain in brief the role of Entrepreneurship in economic	08	CO9	<u></u> L2
19	development.	08		
20	What do you mean by small scale industry?	07	CO9	L2
21	List the characteristics of small scale scale industries.	80	CO9	L2
22	What is buisness plan?.	07	CO10	L2
23	Explain the importance of buisness plan	80	CO10	L3
24	Explain in detail the contents of a good project report.	07	CO10	L3
25	Explain in brief the role of Entrepreneurship in economic development.	08	CO9	L2
26	What do you mean by small scale industry?	07	CO9	L2
27	List the characteristics of small scale scale industries.	08	CO9	L2
28	What is buisness plan?.	07	CO10	L2
	Explain the importance of buisness plan	08	CO10	L3
29	Explain in detail the contents of a good project report.	07	CO10	<u>L3</u>
30	Explain in brief the role of Entrepreneurship in economic	08		<u>L3</u>
31	development.		CO9	
32	What do you mean by small scale industry?	07	CO9	L2
33	List the characteristics of small scale scale industries.	08	CO9	L2
34	What is buisness plan?.	07	CO10	L2
35	Explain the importance of buisness plan	80	CO10	L3
36	Explain in detail the contents of a good project report.	07	CO10	L3
37	Explain in brief the role of Entrepreneurship in economic development.	80	CO9	L2
38	What do you mean by small scale industry?	07	CO9	L2
39	List the characteristics of small scale scale industries.	08	CO9	 L2
40	What is buisness plan?.	07	CO10	L2
41	Explain the importance of buisness plan	08	CO10	L3
	Explain the importance of business plan Explain in detail the contents of a good project report.	07	CO10	<u>L3</u>
42	Explain in brief the role of Entrepreneurship in economic	08	CO10	<u>∟3</u>
43	development.		COG	L2
44	What do you mean by small scale industry?	07	CO9	L2
45	List the characteristics of small scale scale industries.	08	CO9	L2
46	What is buisness plan?.	07	CO10	L2
47	Explain the importance of buisness plan	08	CO10	L3
48	Explain in detail the contents of a good project report.	07	CO10	<u>5</u>
49	Explain in brief the role of Entrepreneurship in economic development.	08	CO9	<u></u> L2
50	What do you mean by small scale industry?	07	CO9	L2

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51	List the characteristics of small scale scale industries.	08	CO9	L2
52	What is buisness plan?.	07	CO10	L2
53	Explain the importance of buisness plan	08	CO10	L3
54	Explain in detail the contents of a good project report.	07	CO10	L3
55	Explain in brief the role of Entrepreneurship in economic development.	08	CO9	L2
F 6	What do you mean by small scale industry?	07	COg	
56		07 08		 L2
57	List the characteristics of small scale scale industries.		CO9	
58	What is buisness plan?.	07	CO10	L2
59	Explain the importance of buisness plan	08	CO10	L3
60	Explain in detail the contents of a good project report.	07	CO10	L3
61	Explain in brief the role of Entrepreneurship in economic development.	80	CO9	L2
62	What do you mean by small scale industry?	07	CO9	L2
63	List the characteristics of small scale scale industries.	08	CO9	L2
64	What is buisness plan?.	07	CO10	L2
65	Explain the importance of buisness plan	08	CO10	L3
66	Explain in detail the contents of a good project report.	07	CO10	<u>L3</u>
67	Explain in brief the role of Entrepreneurship in economic	08	CO9	<u>5</u>
-,	development.			
68	What do you mean by small scale industry?	07	CO9	L2
69	List the characteristics of small scale scale industries.	08	CO9	L2
70	What is buisness plan?.	07	CO10	L2
71	Explain the importance of buisness plan	08	CO10	L3
72	Explain in detail the contents of a good project report.	07	CO10	L3
73	Explain in brief the role of Entrepreneurship in economic	08	CO9	L2
'	development.			
74	What do you mean by small scale industry?	07	CO9	L2
75	List the characteristics of small scale scale industries.	08	CO9	L2
76	What is buisness plan?.	07	CO10	L2
77	Explain the importance of buisness plan	08	CO10	L3
78	Explain in detail the contents of a good project report.	07	CO10	<u>L</u> 3
79	Explain in brief the role of Entrepreneurship in economic	08	CO9	 L2
	development.			
80	What do you mean by small scale industry?	07	CO9	L2

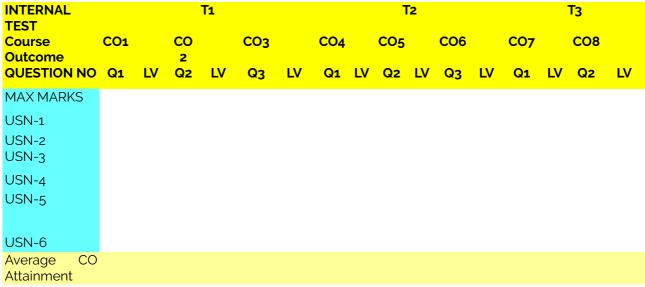
F. EXAM PREPARATION

- 1. University Model Question Paper
- 2. SEE Important Questions

Course Outcome Computation

Academic Year:

Odd / Even semester



LV Threshold: 3:>60%, 2:>=50% and <=60%, 1: <=49%

CO1 Computation :(2+2+2+3)/4 = 10/4=2.5

PO Computation

Program Outcome Weight of CO - PO	PO1	PO1 PO3		PO3		PO1		PO12		PO12		P06		PO1	
Course Outcome	CO1	С	CO2		CO3		CO4		CO5		CO6		CO7		80
Test/Quiz/Lab		T	1					Т	2				Т	3	
QUESTION NO	Q1	L Q2 V	LV	Q3	LV	Q1	LV	Q2	LV	Q3	LV	Q1	LV	Q2	LV
MAX MARKS															
USN-1															
USN-2															
USN-3															
USN-4															
USN-5															
USN-6															
Average CO															

Attainment