

GOVERNMENT POLYTECHNIC JAJPUR

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DEPARTMENT OF METALLURGICAL ENGINEERING

LESSON PLAN

Discipline Metallurgy	Semester 5th	Name of teaching faculty: Biren Kumar Samal P.T.G.F in metallurgy
Subject E.M.S.T	No day/ week class: 4	No of week: 16 Session: Winter 2021-2022
Week	Class Day	Topic
1st	1st	State the Entrepreneurship
	2nd	Characteristics, Qualities, function and Types of entrepreneur
	3rd	Basic discussion about the Entrepreneurship & entrepreneur
	4th	Different examples of entrepreneur and their story
2nd	1st	Practice the definition of Entrepreneurship, entrepreneur and sample paper question
	2nd	Barriers to entrepreneurship
	3rd	Comparison between Entrepreneurs vs Manager
	4th	Types of Industries, Concept of Start-ups
3rd	1st	Short discussion of Entrepreneurial support agencies at National, State, District Level
	2nd	Describe DIC & NSIC
	3rd	Describe OSIC & SIDBI
	4th	Briefly discuss about the NABARD, KVIC
4th	1st	Briefly Describe different Commercial Banks
	2nd	Technology Business Incubators (TBI)
	3rd	Technology Entrepreneur Parks
	4th	Objective question discussion with answer, quiz test
5th	1st	Introduction of Business Planning
	2nd	State the SSI, Ancillary Units, Tiny Units, Service sector Units
	3rd	Time schedule Plan, Agencies to be contacted for Project Implementation
	4th	Describe the Assessment of Demand and supply and Potential areas of Growth
6th	1st	State the Identifying Business Opportunity
	2nd	Final Product selection
	3rd	Semester point of view question discussion with answer
	4th	Two mark question discussion in exam point of view.

7th	1st	Introduction of Project report Preparation
	2nd	Discuss Preliminary project report
	3rd	Detailed project report, Techno economic Feasibility
	4th	Project Viability
8th	1st	Introduction of Management Principles
	2nd	Discuss the Principles of management
	3rd	Explain the Functions of management
	4th	Discuss Level of Management in an Organisation with diagram
9th	1st	Functional Areas of Management with Production management
	2nd	Explain about Inventory Management
	3rd	Detail discussion Financial Management
	4th	Explanation of Management of Working capital with diagram
10th	1st	Discuss Break even Analysis with diagram
	2nd	Brief idea about Accounting Terminologies
	3rd	Introduction of Marketing Management and its concept
	4th	Discuss Marketing Techniques and Concept of 4P s
11th	1st	Deatil expalin about Human Resource Management
	2nd	Concept of Leadership and importance
	3rd	Compare between Manager Vs Leader
	4th	Introduction of Motivation
12th	1st	Explain the Theories of motivation
	2nd	Previous year of Short question discussion with answer
	3rd	Quiz test
	4th	M.C.Q question discussion with answer
13th	1st	Introduction of Work Culture, TQM & Safety
	2nd	Introduction of TQM concepts
	3rd	Discuss Accidents and Safety
	4th	Quiz test
14th	1st	Introduction of Legislation
	2nd	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights
	3rd	Features of Factories Act 1948 with Amendment (only salient points)
	4th	Features of Payment of Wages Act 1936 (only salient points)
15th	1st	Introduction of Smart Technology
	2nd	Concept of IOT, How IOT works
	3rd	Components of IOT, Characteristics of IOT, Categories of IOT
	4th	Applications of IOT
1st	Long and short question discussion of previous years semester	

16th	1st	
	2nd	M.C.Q test of student
	3rd	Chapter doubt clearing class Important question given to exam point view
	4th	Internal Assessment

Biren Kumar Samal
Signature of faculty