

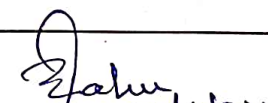
SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: Electrical Engg	Semester: 3rd	Name of the Teaching Faculty: Soumikh Roy
Subject: EME	No of Days/per week class allotted:	Semester from Date: 01/07/2024 to Date: 31/07/2024 No of Weeks:
Week	Class Day	Theory/Practical Topics
3rd	1st	State Unit of Heat and work
	2nd	1st law of thermodynamics
	3rd	State Laws of perfect gases
	4th	Specific heat of gases at constant volume
4th	1st	Specific heat of gases at constant pressure
	2nd	Explain total heat of wet and dry steam
	3rd	Explain total heat of super heated steam
	4th	State types of Boilers
3rd	1st	Describe Cochran
	2nd	Describe Babcock Wilcox boiler
	3rd	Describe Mountings and accessories
	4th	Principle of Simple steam engine
4th	1st	Study Indicator diagram
	2nd	Calculate Mean effective pressure
	3rd	Numerical on mean effective pressure
	4th	Draw Indicator diagram
5th	1st	IHP and BHP
	2nd	Mechanical efficiency IC Engine
	3rd	Numerical on efficiency of IC engine
	4th	


Sign of Faculty

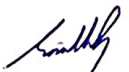

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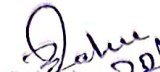
SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: Electrical Engg	Semester: 3rd	Name of the Teaching Faculty: Soumikh Roy
Subject: EME	No of Days/per week class allotted:	Semester from Date: 01/08/2024 to Date: 31/08/2024 No of Weeks: 05
Week	Class Day	Theory/Practical Topics
1st	1st	Two stroke and 4 stroke petrol engine
	2nd	Two stroke and 4 stroke Diesel engine
	3rd	Diagram of Two stroke and 4 stroke
	4th	
2nd	1st	Difference between Two stroke and 4 stroke
	2nd	Describe properties of fluid
	3rd	Determine pressure at a point
	4th	Pressure measuring Instruments
3rd	1st	Deduce equation of continuity of flow
	2nd	Explain energy of flowing liquid
	3rd	State Bernoulli's theorem
	4th	Explain Bernoulli's theorem
4th	1st	Intensifier
	2nd	Hydraulic lift
	3rd	Accumulator
	4th	Hydraulic ram
5th	1st	MCQ Practice
	2nd	Sample Paper practice
	3rd	MCQ Practice
	4th	Sample Paper practice


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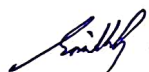

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SYNERGY POLYTECHNIC, BBSR

Lesson Plan

Discipline: Electrical Engg	Semester: 3rd	Name of the Teaching Faculty: Soumikh Roy
Subject: EME	No of Days/per week class allotted:	Semester from Date: 01/09/2024 to Date: 30/09/2024 No of Weeks: 04
Week	Class Day	Theory/Practical Topics
1st	1st	State Types of Turbines
	2nd	Impulse Turbine
	3rd	Reaction Turbine
	4th	Difference between impulse and reaction turbine
	5th	
2nd	1st	Difference between Two stroke and 4 stroke
	2nd	Describe properties of fluid
	3rd	Determine pressure at a point
	4th	Pressure measuring Instruments
	5th	
3rd	1st	Explain the function of condenser
	2nd	Types of Condensers
	3rd	Numerical on Condenser
	4th	Study different parts of consenser
	5th	
4th	1st	Intensifier
	2nd	Hydraulic lift
	3rd	Accumulator
	4th	Hydraulic ram
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	


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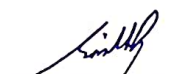

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SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: Electrical Engg	Semester: 3rd	Name of the Teaching Faculty: Soumikh Roy
Subject: EME	No of Days/per week class allotted:	Semester from Date: 01/10/2024 to Date: 31/10/2024 No of Weeks: 05
Week	Class Day	Theory/Practical Topics
1st	1st	thermodynamics.
	2nd	Revision on State Laws of perfect gases
	3rd	Revision on Determine relationship of Cp
	4th	Revision on Determine relationship of Cv
	5th	
2nd	1st	Revision on total heat of wet
	2nd	Revision on dry steam
	3rd	Revision on super heated steam
	4th	
	5th	
3rd	1st	Revision on State types of Boilers
	2nd	Revision on Babcock Wilcox boiler
	3rd	Revision on Cochran boiler
	4th	
	5th	
4th	1st	Revision on Mountings and accessories
	2nd	Revision on principle of Simple steam engine
	3rd	Revision on Draw Indicator diagram
	4th	Revision on Mean effective pressure
	5th	
5th	1st	Revision on IHP and BHP and mechanical efficiency
	2nd	Revision on reaction Turbine
	3rd	Revision on impulse Turbine
	4th	Revision on difference of impulse and reaction Turbine
	5th	


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