

Government of the People's Republic of Bangladesh

Mymensingh Polytechnic Institute

Semester Plan

Power Technology

Subject: Fuels & Lubricants

Subject Code: 27124

4th Semester (1st Shift)

Class Start: 20/08/2023

T P C

2 3 3

Week	Activity/Lesson	Teaching Aids		Remarks
		Theory	Practical	
01	Theory: Understand the different types of fuels. Practical: Demonstrate the different types of fuels and lubricants.	White Board Marker pen Internet connected Laptop and Multimedia Project	Job Sheet	
02	Theory: Understand the different types of Coal. Practical: Perform the calorific value of fuel by using bomb calorimeter.	Do	Do	
03	Theory: Understand the classification of Crude oil. Practical: Determine the cloud and pour point of given sample of fuel.	Do	Do	QT-01
04	Theory: Understand the Hydrocarbon family and Refining of Crude petroleum. Practical: Perform the find out flash and fire points of fuel.	Do	Do	
05	Theory: Understand the Distillation test of gasoline fuel. Practical: Perform the Determine ASTM distillation of fuel.	Do	Do	CT-01
06	Mid Term Examination			
07	Theory: Understand the different types of gasoline fuel. Practical: Perform the Determine the viscosity of lubrication oil by viscometer.	Do	Do	CT-02
08	Theory: Understand the different types of Disel fuel. Practical: Determine the Octan and Cetane number of fuel.	Do	Do	
09	Theory: Understand the Alternative fuels. Practical: Perform the Determine ASTM distillation of fuel.	Do	Do	CT-03

10	Theory: Understand the different types of Lubricants. Practical: Determine the drop point of grease by the drop point apparatus.	Do	Do	QT-02
11	Theory: Revise different types of fuel and Lubricants. Practical: Perform the Determine the penetration by grease penetrometer.	Do	Do	CT-04
12	Theory: Revise different types of Coal. Practical: Perform the Determine the penetration by grease penetrometer.	Do	Do	QT-03
13	Theory: Revise Understand the Alternative fuels. Practical: Revise Perform the find out flash and fire points of fuel.	Do	Do	
14	Theory: Revise understand the different type of Crude oil. Practical: Revise Perform the calorific value of fuel by using bomb calorimeter.	Do	Do	
15 & 16	Semester final Examination.			

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