

Gout. Polytechnic Darbhanga.

Branch - Mechanical Engineering.

Subject - Mechanics of Solids, Tutor - S.K. Suman

Lesson Plan (August 2020), 3rd sem.

Date	Time	Module-I	Topic to be covered	Media
09-08-2020	←	Election Duty	→	
10-08-2020	11:30 to 12:30 AM	Mechanical Properties of Materials,	Load, Types of Loads, Simple stress (Tensile & Compressive)	PDF, Meet, Google classro
10-08-2020	3 PM to 5 PM		Simple strain, Shear stress, Types of strain, volumetric strain Hook's Law, Elastic constants	"
11-08-2020	←	Holiday	→	"
17-08-2020	11:30 to 12:30 PM	"	Elastic constant, Young's modulus, Modulus of Rigidity, Bulk Modulus	"
17-08-2020	3 to 5 P.M.	"	Poisson's Ratio, Stress-strain Curve for ductile & Brittle materials	"
18-08-2020	11:30 to 12:30 PM	"	Deformation under axial load, Deformation with under axial load of varying cross-section.	"
24-08-2020	11:30 to 12:30 PM	"	Numericals under Axial load Condition (Deformation).	"
24-08-2020	3 to 5 PM	"	Thermal stress & problems Related to thermal stress.	"
25-08-2020	11:30 AM to 12:30 PM	"	Relation between Elastic Constants	"
31-08-2020	11:30 am to 12:30 PM	"	Thin cylindrical & spherical shells	"
31-08-2020	3 to 5 PM	"	" " & Numericals	"

# Lesson Plan 5th sem (August 2020)

Branch - Mechanical Engineering

Subject - Power Engineering By - S.K.Suman

G.P.DBG.

Date	Time	Module-1	Topic to be covered	Media
05-08-2020	12:30 to 1:30 PM	I.C. Engine	Carnot cycle & Representation of Carnot cycle on P-V & T-S diagram	PDF, Meet, Googleclassroom
10-08-2020	12:30 to 1:30 PM	"	otto cycle, Representation of otto cycle on P-V & T-S diagram	"
11-08-2020	← Holiday →			"
12-08-2020	12:30 to 1:30 PM	"	Numericals on otto cycle,	"
17-08-2020	"	"	Diesel cycle, Dual cycle and Representation on P-V and T-S diagram.	"
18-08-2020	"	"	Brayton cycle, Representation on P-V and T-S diagram, classification of IC-Engine.	"
24-08-2020	"	"	<del>How</del> construction and working principle of 4-stroke Engine	"
25-08-2020	"	"	Construction and working principle of 2-stroke engine.	"
26-08-2020	"	"	Comparison of Two stroke and four stroke Engine, Value timing diagram.	"
31-08-2020	"	"	Combustion of SI Engine and CI Engine.	"