

# DRONACHARYA

## College of Engineering

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: Mechanical Engineering

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Basics of Mechanical Engineering (ME-101-F)

Name of Faculty with designation : Ms. Priyanka Singh-- Assistant Professor

S.No.	Month	Date & Day	Sem-Class	Section/Unit	Topic/Chapter covered	Academic activity	Test / assignment
1	JANUARY	08/01/2018 Monday	II-IT	A	Need of the basics of Mechanical Engineering, Subject and Teaching methodology of Dronacharya college of Engineering. Syllabus contents of the subject were given to the Students.	.....	Assignment of 02 Ques. given
2	JANUARY	11/01/2018 Thursday	II-IT	A	Introduction to Machine Tools to Commonly used Machine Tools in a Workshop:- Lathe, Shaper, Planer, Milling, Drilling, Slotter.	.....	Assignment of 02 Ques. given
3	JANUARY	15/01/2018 Monday	II-IT	A	Introduction to Metal Cutting.	.....	Assignment of 02 Ques. given
4	JANUARY	18/01/2018 Thursday	II-IT	A	Introduction, States, Work, Heat, Temperature, Zeroth, 1st, 2nd and 3rd law of thermodynamics, Concept of internal energy, enthalpy and entropy. Problems	.....	Assignment of 02 Ques. given
5	JANUARY	25/01/2018 Thursday	II-IT	A	Properties of Steam & Steam Generator	.....	Assignment of 02 Ques. given
6	JANUARY	29/01/2018 Monday	II-IT	A	Formation of steam at constant pressure, Thermodynamic properties of Steam, Use of steam tables, Measurement of dryness fraction by throttling calorimeter	.....	Assignment of 02 Ques. given
7	FEBRUARY	01/02/2018 Thursday	II-IT	B	Introduction to refrigeration and air -conditioning, Rating of refrigeration machines, Coefficient of performance	.....	Assignment of 02 Ques. given
8	FEBRUARY	05/02/2018 Monday	II-IT	B	Simple refrigeration vapour compression cycle, Psychrometric charts and its use, Human comforts.	.....	Assignment of 02 Ques. given

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9	FEBRUARY	08/02/2018 Thursday	II-IT	B	Introduction, Classification, Construction details and working of Pelton, Francis and Kaplan turbines, Specific speed and selection of turbines,	.....	Assignment of 02 Ques. given
10	FEBRUARY	19/02/2018 Monday	II-IT	B	Classification of water pumps and their working.	.....	Assignment of 02 Ques. given
11	FEBRUARY	22/02/2018 Thursday	II-IT	C	Introduction to Power transmission, Belt, Rope, Chain and Gear drive	.....	Assignment of 02 Ques. given
12	FEBRUARY	26/02/2018 Monday	II-IT	C	Types and functioning of clutches	.....	Assignment of 02 Ques. given
13	MARCH	05/03/2018 Monday	II-IT	C	Introduction, Concept & types of Stresses and strains, Poison's ratio,	.....	Assignment of 02 Ques. given
14	MARCH	08/03/2018 Thursday	II-IT	C	stresses and strains in simple and compound bars under axial, flexure & torsional loading	.....	Assignment of 02 Ques. given
15	MARCH	12/03/2018 Monday	II-IT	C	Stress- strain diagrams, Hooks law, Elastic constants & their relationships.	.....	Assignment of 02 Ques. given
16	MARCH	15/03/2018 Thursday	II-IT	D	Introduction to Manufacturing Systems	.....	Assignment of 02 Ques. given
17	MARCH	26/03/2018 Monday	II-IT	D	Fundamentals of Numerical Control (NC)	.....	Assignment of 02 Ques. given
18	APRIL	02/04/2018 Monday	II-IT	D	Advantage of NC systems, Classifications of NC	.....	Assignment of 02 Ques. given
19	APRIL	05/04/2018 Thursday	II-IT	D	Fundamentals of CNC	.....	Assignment of 02 Ques. given

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20	APRIL	09/04/2018 Monday	II-IT	D	Comparison of NC and CNC	.....	Assignment of 02 Ques. given
21	APRIL	12/04/2018 Thursday	II-IT	NA	Discussion on the whole syllabus	.....	.....
22	APRIL	26/04/2018 thursday	II-IT	NA	Previous Year paper discussion	.....	.....