

# DRONACHARYA

## College of Engineering

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: Civil Engineering

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

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

Subject with code: Fluid Mechanics-II. (CE-204-F)

Name of Faculty with designation : Mr. Vineet Mishra --Head(ME & CE)

S.No.	Month	Date & Day	Sem-Class	Section/Unit	Topic/Chapter covered	Academic activity	Test / assignment
1	January	08.01.2018 Monday	IV-CE	A	Turbulent flow: Introduction to turbulent flow, mixing length theory	.....	Assignment of 02 Ques. given
2	January	09.01.2018 Tuesday	IV-CE	A	Velocity distribution in turbulent flow, resistance of smooth	.....	Assignment of 02 Ques. given
3	January	12.01.2018 Friday	IV-CE	A	Resistance of artificially roughened pipes, m commercial pipes, aging of pipes	.....	Assignment of 02 Ques. given
4	January	15.01.2018 Monday	IV-CE	A	Losses due to sudden expansion and contraction, losses in pipe fittings and valves	.....	Assignment of 02 Ques. given
5	January	16.01.2018 Tuesday	IV-CE	A	Concepts of equivalent length of pipe, hydraulic and energy gradient lines	.....	Assignment of 02 Ques. given
6	January	19.01.2018 Friday	IV-CE	A	Pipes in series, pipes in parallel, branching of pipes	.....	Assignment of 02 Ques. given
7	January	23.01.2018 Tuesday	IV-CE	A	Pipe network siphon, water Hammer (only quick closure case)	.....	Assignment of 02 Ques. given
8	January	29.01.2018 Monday	IV-CE	A	Transmission of power through pipelines	.....	Assignment of 02 Ques. given
9	January	30.01.2018 Tuesday	IV-CE	B	Flow in open channels: niform flow Basic concepts	.....	Assignment of 02 Ques. given
10	February	02.02.2018 Friday	IV-CE	B	Resistance equations (Chezy's and mannings formulae), Uniform flow computations	.....	Assignment of 02 Ques. given
11	February	05.02.2018 Monday	IV-CE	B	Efficient channel section	.....	Assignment of 02 Ques. given
12	February	06.02.2018 Tuesday	IV-CE	B	Specific energy concept critical flow and its computations, channel transitions	.....	Assignment of 02 Ques. given

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13	February	09.02.2018 Friday	IV-CE	B	Flow in open channels: Non-uniform flow	.....	Assignment of 02 Ques. given
14	February	19.02.2018 Monday	IV-CE	B	Gradually varied flow-basic assumptions and dynamic equations of gradually flow	.....	Assignment of 02 Ques. given
15	February	20.02.2018 Tuesday	IV-CE	B	Types of slopes and their characteristics, analysis and computations of flow profiles	.....	Assignment of 02 Ques. given
16	February	23.02.2018 Friday	IV-CE	B	Brink depth analysis, surges in open channels	.....	Assignment of 02 Ques. given
17	February	26.02.2018 Monday	IV-CE	C	Turbines: Classification definitions, similarity laws	.....	Assignment of 02 Ques. given
18	February	27.02.2018 Tuesday	IV-CE	C	Specific speed and unit quantities, Pelton turbines- their construction and settings	.....	Assignment of 02 Ques. given
19	March	05.03.2018 Monday	IV-CE	C	Speed regulation dimensions of various element	.....	Assignment of 02 Ques. given
20	March	06.03.2018 Tuesday	IV-CE	C	Action of jet, torque, power and efficiency for ideal case, characteristic curves	.....	Assignment of 02 Ques. given
21	March	09.03.2018 Friday	IV-CE	C	Reaction turbines construction & setting draft tube theory, runaway speed	.....	Assignment of 02 Ques. given
22	March	12.03.2018 Monday	IV-CE	C	Working proportion of hydraulic turbines and characteristic curves, cavitation	.....	Assignment of 02 Ques. given
23	March	13.03.2018 Tuesday	IV-CE	C	Forces on immersed bodies: types of drag drag on a sphere, a flat plate	.....	Assignment of 02 Ques. given
24	March	16.03.2018 Friday	IV-CE	D	Pumps: Centrifugal pumps: Various types and their important components	.....	Assignment of 02 Ques. given
25	March	26.03.2018 Monday	IV-CE	D	Manometric head , total head, net positive suction head, specific speed, shut off head, cavitation	.....	Assignment of 02 Ques. given
26	March	27.03.2018 Tuesday	IV-CE	D	Principle of working and characteristic curves. Priming and maintenance. Submersible pumps	.....	Assignment of 02 Ques. given
27	April	02.04.2018 Monday	IV-CE	D	Reciprocating pumps : principle of working, coefficient of discharge	.....	Assignment of 02 Ques. given
28	April	03.04.2018 Tuesday	IV-CE	D	Slip, single acting and double acting pump	.....	Assignment of 02 Ques. given
29	April	06.04.2018 Friday	IV-CE	D	Manometric head, Acceleration head, Working of air vessels	.....	Assignment of 02 Ques. given
30	April	09.04.2018 Monday	IV-CE	D	Simplex, duplex and three throw pumps, construction and discharge. Air lift pump	.....	Assignment of 02 Ques. given
31	April	10.04.2018 Tuesday	IV-CE	...	REVISION CLASSES	.....	Assignment of 02 Ques. given
32	April	13.04.2018 Friday	IV-CE	...	REVISION CLASSES	.....	Assignment of 02 Ques. given