

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: Irrigation Engineering-I (CE-304-F)

Name of Faculty with designation : Ms. Jasira Bashir (Assistant Prof.)

Month	Date & Day	Sem-Class	Unit	Topic/Chapter covered	Academic activity	Test / assignment
January	15.01.2018 Monday	VI-CE	I (Section-A)	Introduction to the subject, Application of the subject and its various units, syllabus, books to be referred, Introduction to Unit-I		Assignment of 02 Ques.
January	17.01.2018 Wednesday	VI-CE	I	Regulation Works: Canal sills-necessity and location, development of falls		Assignment of 02 Ques.
January	19.01.2018 Friday	VI-CE	I	Design of cistern element, Roughening devices, Principle of design of Sarda type fall		Assignment of 02 Ques.
January	24.01.2018 wednesday	VI-CE	I	Design of Straight Glacis Fall		Assignment of 02 Ques.
January	29.01.2018 monday	VI-CE	I	Off-take alignment, cross-regulator and distributor, head regulators		Assignment of 02 Ques.
January	31.01.2018 wednesday	VI-CE	I	Devices to control silt entry into the off-taking channel and silt ejector		Assignment of 02 Ques.
January	2.02.2018 Friday	VI-CE	I	Canal escapes, types of escapes		Assignment of 02 Ques.
January	5.02.2018 Monday	VI-CE	II (Section-B)	Cross Drainage Works: Classification and their selection (45 min.)		Class Test-1 on Unit-I (45 min. duration)
February	07.02.2018 wednesday	VI-CE			Industrial Visit	Assignment of 02 Ques.
February	09.02.2018 Friday	VI-CE	II	Fundamentals of hydraulic design aspects of aqueducts		Assignment of 02 Ques.

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February	19.02.2018 Monday	VI-CE	II	Syphon aqueducts, super passage, canal syphon and level crossing		Assignment of 02 Ques.
February	21.02.2018 Wednesday	VI-CE	II	Design of transitions		Assignment of 02 Ques.
February	23.02.2018 Friday	VI-CE	III (Section-B)	Diversion canal headworks: Various components and their functions (45 min.)		Class Test-2 on Unit-II (45 min. duration)

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February	26.02.2018 Monday	VI-CE	III	Layout plan, Selection of site for diversion headworks		Assignment of 02 Ques.
February	28.02.2018 Wednesday	VI-CE	III	Bligh's creep theory, Numericals on Bligh's creep theory		Assignment of 02 Ques.
March	02.03.2018 Friday	VI-CE	Holi Break			
March	05.03.2018 Monday	VI-CE	III	Use of Khosla's curves, Various corrections, silt excluders		Assignment of 02 Ques.
March	07.03.2018 Wednesday	VI-CE	IV (Section-C)	Storage Headworks: Types of dams, Selection of a site (45 min.)		Class Test-3 on Unit-III (45 min. duration)
March	09.03.2018 Friday	VI-CE	IV	Gravity Dam- two dimensional design, forces acting,		Assignment of 02 Ques.
March	12.03.2018 Monday	VI-CE	IV	stability criterion, elementary profile of a dam		Assignment of 02 Ques.
March	14.03.2018 Wednesday	VI-CE	IV	Cutoffs and drainage galleries, arch dams- constant angle and constant radius arch dam		Assignment of 02 Ques.
March	16.03.2018 Friday	VI-CE	IV	Simple design and sketches, most economical angle		Assignment of 02 Ques.
March	19.03.2018 Monday	VI-CE	2nd Sessional Examinations			
March	21.03.2018 Wednesday	VI-CE				
March	23.03.2018 Friday	VI-CE				
March	26.03.2018 Monday	VI-CE	IV	Earth Dam-Design principles		Assignment of 02 Ques.
March	28.03.2018 Wednesday	VI-CE	IV	Control of Seepage, Design of filters		Assignment of 02 Ques.
March	30.03.2018 Friday	VI-CE	IV	Design of filters		Assignment of 02 Ques.
April	02.04.2018 Monday	VI-CE	V (Section-D)	Spillway and Energy Dissipators: Essential requirements of spillway and spillway capacity		Class Test-4 on Unit-IV (45 min. duration)

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April	04.04.2018 Wednesday	VI-CE	V	Types of spillways and their suitability		Assignment of 02 Ques.
April	06.04.2018 Friday	VI-CE	V	Ogee spillway, chute, side channel		Assignment of 02 Ques.
April	09.04.2018 Monday	VI-CE	V	Shaft and syphon spillways		Assignment of 02 Ques.
April	11.04.2018 Wednesday	VI-CE	V	Energy dissipation below spillways, Stilling Basins		Assignment of 02 Ques.
April	13.04.2018 Friday	VI-CE	V	USBR and IS Stilling Basins		Assignment of 02 Ques.
April	16.04.2018 Monday	VI-CE	Pre-University Examinations			
April	18.04.2018 Wednesday	VI-CE				
April	20.04.2018 Friday	VI-CE				
April	23.04.2018 Monday	VI-CE				
April	25.04.2018 Wednesday	VI-CE				
April	27.04.2018 Friday	VI-CE	Revision of each units or(and) completion of syllabus (if incomplete due to unforeseen conditions) will be done in these three days accompanied by class tests (including Class Test-5 on Unit V) and assignments.			
April	30.04.2018 Friday	VI-CE				
May	May 01 to 10, 2018	IV-CE				
May	14.05.2018 Onwards	IV-CE	University Theory Examinations			

NOTE: Other industrial visits (which are not mentioned in the session plan) will be conducted on Saturdays due to time constraint to complete the syllabus