

TEACHING PLAN FOR THEORY

Name of Subject Teacher: ABHAY SHELAR

Subject: Design of RCC&Prestressed Cement Concrete Bridges		
Class: M.E First Year	Branch: Structural Engineering	Year 2016-2017
Lecture No	Scheduled Date	Topics to be covered on the scheduled date
1	22/08/2016	Module 1: Introduction to bridge engineering,
2	23/08/2016	classification and components of bridges,
3	25/08/2016	layout, planning. Structural forms of bridge decks,.
4	25/08/2016	beam and slab decks, cellular decks
5	29/08/2016	NUMBRICALS
6	30/09/2016	NUMBRICALS
7	06/09/2016	Module 2: Standard specification for bridges
8	08/09/2016	, IRC loadings for road bridges,
9	12/09/2016	loading standards for railway bridges.
10	14/09/2016	NUMBRICALS
11	16/09/2016	NUMBRICALS

12	17/09/2016	NUMBRICALS
13	18/09/2016	Module 3: Design of slab culvert,
14	19/09/2016	box culvert and skew bridge.
15	21/09/2016	NUMBRICALS
16	22/09/2016	NUMBRICALS
17	23/09/2016	NUMBRICALS
18	26/09/2016	NUMBRICALS
19	04/10/2016	Module 4: Introduction to Courbon's method,
20	06/10/2016	Henry-Jaeger method and Guyon-Massonet method.
21	07/10/2016	Design of T-beam PC bridges using Courbon's method.
22	09/10/2016	NUMBRICALS
23	11/10/2016	NUMBRICALS
24	13/10/2016	NUMBRICALS
25	15/10/2016	Module 5: Structural classification of
26	17/10/2016	Rigid Frame bridge,
27	18/10/2016	analysis and design of Rigid Frame bridge.
28	19/10/2016	NUMBRICALS

29	20/10/2016	NUMBRICALS
30	22/10/2016	NUMBRICALS
31	23/10/2016	Module 6: Classification and design of bearings
32	24/10/2016	. Expansion joints.
33	25/10/2016	Forces acting on abutments and piers,
34	26/10/2016	NUMBRICALS
35	27/10/2016	NUMBRICALS
36	28/10/2016	NUMBRICALS
37	10/11/2016	Module 7: Analysis and design,
38	11/11/2016	types and design of wing walls.
39	13/11/2016	NUMBRICALS
40	15/11/2016	NUMBRICALS
41	18/11/2016	NUMBRICALS
42	19/11/2016	NUMBRICALS
43	20/11/2016	Module 8: Bridge foundations, design of open well, pile and caisson foundation.
44	21/11/2016	NUMBRICALS
45	22/11/2016	NUMBRICALS

46	24/11/2016	NUMBRICALS
47	25/11/2016	NUMBRICALS
48	25/11/2016	NUMBRICALS
47	26/11/2016	NUMBRICALS
48	26/11/2016	NUMBRICALS