



G H RAISONI COLLEGE OF ENGINEERING NAGPUR

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate No.3, Hingna Road, Digdoh Hills, Nagpur. Maharashtra-440016 (India)

Course wise Teaching Plan for Session : Summer Term 2018

Course : Building Construction And Materials

Faculty : aagulghane - Akshay Gulghane

Unit	Topic Code	Topic Covered	Date	Course	Section
1	1	Introduction to Course, Course Objective, CAE, TAE	03/05/2018	BCEL211	A
1	2	Foundations: Necessity and types of foundation, Details shallow foundations.	03/05/2018	BCEL211	A
1	3	Bearing capacity of soils and its assessment. Preemptive bearing capacity values from codes.	04/05/2018	BCEL211	A
1	4	Loads on foundation, Causes of failures of foundation and remedial measures, Foundation on black cotton soils.	04/05/2018	BCEL211	A
1	5	Setting out foundation trenches, excavation, timbering of foundation trenches. Load bearing and framed structures.	10/05/2018	BCEL211	A
1	6	Brickwork: Qualities of good bricks. Terms used in brickwork, commonly used types of bonds in brickwork.	10/05/2018	BCEL211	A
2	7	Principles of construction Reinforced brickwork, Parapets, coping, sills and corbels, introduction to cavity walls, load bearing and partition walls.	11/05/2018	BCEL211	A
2	8	Arches and Lintels: Terminology in contraction, type's chajjas and canopies,	11/05/2018	BCEL211	A
2	9	Pre cast Lintels & Arches.	15/05/2018	BCEL211	A
2	10	Damp Proofing: Causes and effect of dampness .Various methods of damp proofing Damp proofing in plinth protection	15/05/2018	BCEL211	A
3	11	Damp Proofing: Causes and effect of dampness .Various methods of damp proofing Damp proofing in plinth protection	17/05/2018	BCEL211	A
3	12	New Techniques of damp proofing , Epoxy etc.	17/05/2018	BCEL211	A
3	13	Windows: Purpose materials of construction and types.	18/05/2018	BCEL211	A
3	14	Plastering: Necessity, types and methods.	18/05/2018	BCEL211	A



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Unit	Topic Code	Topic Covered	Date	Course	Section
4	15	Pointing: Necessity, types and methods.	22/05/2018	BCEL211	A
4	16	Temporary Timbering: Centering and formwork shoring	22/05/2018	BCEL211	A
4	17	Windows: Purpose materials of construction and types.	24/05/2018	BCEL211	A
4	18	Plastering: Necessity, types and methods.	24/05/2018	BCEL211	A
4	19	Pointing: Necessity, types and methods.	29/05/2018	BCEL211	A
4	20	common building stones in India	29/05/2018	BCEL211	A
5	21	Brick & clay products : Introduction, Brick earth, manufacturing of clay bricks	31/05/2018	BCEL211	A
5	22	manufacturing of clay bricks	31/05/2018	BCEL211	A
5	23	properties of burnt bricks, new trends in brick, manufacturing building tiles.	01/06/2018	BCEL211	A
5	24	Properties of lime, use of lime of construction.	01/06/2018	BCEL211	A
5	25	Timber & Wood based Product : Introduction, sources of timber, identification of timber felling & conversion, moisture in timber, defects in timber, decay of timber.	05/06/2018	BCEL211	A
5	26	Asphalt and Bitumen : IRC specification, physical properties & its use in construction.	05/06/2018	BCEL211	A
6	27	Flooring and other tiles: Types, Shahabad, Kotta, Granite, Glazed and Unglazed, ceramic tiles,	07/06/2018	BCEL211	A
6	28	Plain cement, Mosaic tile, manufacturing process of tiles, cutting and polishing of natural stones used.	07/06/2018	BCEL211	A
6	29	plain cement	08/06/2018	BCEL211	A
6	30	AC sheets : Corrugated & plain Water proofing material & its uses, Termite proofing & fire resisting materials	08/06/2018	BCEL211	A