


Shantilal Shah Engineering College, Bhavnagar

Date: 08/03/2018

Applied Mechanics Department Syllabus of MST for 4th, 6th and 8th Semester Students [March-2018]

#	Subject Code	Name of Subject	Date	Time	Syllabus
IV - Semester					
1	2140603	Structural Analysis - I	26-03-2018	11:30 To 12:30	1. Fundamentals of Statically Determinate Structures 2. Direct and Bending Stress (Not Included the Dam and Chimney) 3. Strain Energy 4. Thin Cylinder
2	2140603	Concrete Technology	27-03-2018		1. Concrete Making Materials 2. Fresh Concrete 3. Special concrete and Concreting methods
VI - Semester					
1	2160607	Elementary Structural Design	26-03-2018	03:15 To 04:15	RCC: 1. Introduction 2. Limit State of Design for Singly & Doubly Reinforced Beam 3. Design of Column Steel: 1. Introduction 2. Design of Tension Members
VIII - Semester					
1	2180609	Foundation Engineering	22-03-2018	11:30 To 12:30	1. Pile Foundation 2. Shallow Foundation up to Bearing Capacity Equation of Rankine & Terzaghi
2	2180610	Design of Steel Structures	23-03-2018		1. Design of Industrial Building: 2. Design of plate girders:


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Applied Mechanics Department Syllabus of MST for PDDC Students [March-2018]

#	Subject Code	Name of Subject	Date	Time	Syllabus
II - Semester [PDDC]					
1	X20603	Structural Analysis - I	20-03-2018	06:30 To 07:45	1. Fundamentals of Statically Determinate Structures 2. Strain Energy 3. Thin Cylinder
IV - Semester [PDDC]					
1	X40602	Concrete Technology	20-03-2018	06:30 To 07:45	1. General 2. Ingredients of Concrete 3. Fresh concrete 4. Hardened concrete
2	X40603	Soil Engineering	21-03-2018		1. Shear strength Of Soil 2. Compaction
VI - Semester [PDDC]					
1	X60604	Structural Design - I	20-03-2018	06:30 To 07:45	1. Loads 2. Design of roof trusses 3. Design of portal frames
VIII - Semester [PDDC]					
1	X80602	Structural Design - II	21-03-2018	06:30 To 07:45	1. Design & detailing of circular & rectangular RC water tanks on the ground. 2. Design & detailing of cantilever & counter fort retaining wall for various ground Conditions
2	X80605	Repairs and Rehabilitations of structures	22-03-2018		1. Repair Strategies 2. Materials And Techniques For Repair


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