


Shantilal Shah Engineering College, Bhavnagar

Date: 22-03-2019

Applied Mechanics Department Syllabus of MST for PDDC Students [March-2019]

#	Subject Code	Name of Subject	Date	Time	Syllabus
IV - Semester [PDDC]					
1	X40603	Soil Engineering	27-03-2019	06:30 To 07:45	1. Shear strength Of Soil 2. Compaction 3. Consolidation of soil
2	X40602	Concrete Technology	28-03-2019		1. General 2. Ingredients of Concrete 3. Fresh concrete 4. Hardened concrete
VI - Semester [PDDC]					
1	X60604	Structural Design - I	25-03-2019	06:30 To 07:45	1. Loads 2. Gantry Girder
VIII - Semester [PDDC]					
1	X80605	Repairs and Rehabilitations of structures	25-03-2019	06:30 To 07:45	1. Repair Strategies 2. Materials And Techniques For Repair
2	X80602	Structural Design - II	29-03-2019		1. Design & detailing of circular & rectangular RC water tanks on the ground. 3. Design & detailing of cantilever & counter fort retaining wall for various ground Conditions



H.O.D. - Applied Mechanics
Shantilal Shah Engineering College, Bhavnagar

Shantilal Shah Engineering College, Bhavnagar

Date: 05/03/2019

Applied Mechanics Department Syllabus of MST for 4th, 6th and 8th Semester Students [March-2019]

#	Subject Code	Name of Subject	Date	Time	Syllabus
IV - Semester					
1	2140603	Structural Analysis - I	28-03-2019	11:30 AM To 12:30 PM	1. Column and Strut 2. Direct and Bending Stress (Not Included the Dam and Chimney) 3. Strain Energy 4. Thin Cylinder 5. Cable and Suspension Bridge
2	2140603	Concrete Technology	29-03-2019		1. Concrete Making Materials 2. Special concrete and Concreting methods
VI - Semester					
1	2160607	Elementary Structural Design	28-03-2019	2:00 PM To 3:00 PM	RCC: 1. Introduction 2. Limit State of Design for Singly, Doubly and Tee Beam 3. Design of Column Steel: 1. Introduction 2. Design of Tension Members 3. Design of Compression Member
VIII - Semester					
1	2180609	Foundation Engineering	29-03-2019	4:00 PM To 5:00 PM	1. Pile Foundation 2. Selection of foundation and subsoil exploration/Investigation.
2	2180610	Design of Steel Structures	27-03-2019		1. Design of Roof Truss 2. Design of plate girders


H.O.D. - Applied Mechanics
Shantilal Shah Engineering College, Bhavnagar