Paper Code - Pl19-113 (Ti)
OCTOBER 2019 / INSEM (T1)

## F. Y. M. TECH. (CIVIL - STRUCTURE) (SEMESTER - I) COURSE NAME: SOIL STRUCTURE INTERACTION

COURSE CODE: CVPB11183B	
(PATTERN 2018:R1) Time: [1 Hour]	[Mox Morles 20]
	[Max. Marks: 20]
(*) Instructions to candidates:  1) Answer Q.1 OR Q.2, Q.3 OR Q.4	
<ol> <li>Answer Q.1 OR Q.2, Q.3 OR Q.4</li> <li>Figures to the right indicate full marks.</li> </ol>	
3) Use of scientific calculator is allowed	
4) Use suitable data where ever required	
Q.1- a) Write a Short Note on the SSI article you had reviewed	in
Assignment-1.	[6]
Q.1- b) Explain the importance of understanding Soil-Structur	e Interaction.
:	[4]
OR	
Q.2-a) Write a Short Note on the failure case study you had rev Assignment-1.	
Q.2-b) What are the various parameters that affect Soil-Struct	[6] .
Interaction?	[4]
Q.3-a) What is contact pressure? Sketch contact pressure distributions of the distribution of the distribu	ribution
diagram for flexible base for clayey and sandy soil for su	ırface load. [6]
Q.3-b) If soil unit density = 18 kN/m³, Weight of Building to be the soil = 5000 Tons Soil Excavation Foot-Print = 20 m s what will be the depth of soil excavation to maintain original levels in soil when the building is constructed?  OR	x 20 m, then
Q.4-a) What is contact pressure? Sketch contact pressure distr	ribution
diagram for rigid base for clayey and sandy soil for surfa	ce load [6]
Q.4-b) What are Plane Stress and Plane Strain conditions?	
Give Examples	[4]
강경을 가면 하게 된 하지만 살아보는 이 전에서 돌았다. 그 이 전에 가장하는 이 이 나는 사람이 하는데 하다고 하다.	