

B. CONS. ENGG. 4th YR 2ND SEMESTER EXAM.-2022
COMPUTER AIDED STRUCTURAL ANALYSIS AND DESIGN

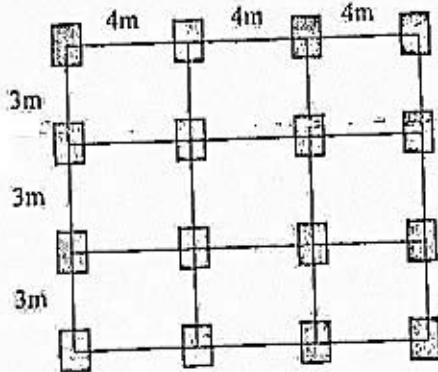
Full Marks : 70

Time : Four hours

Group / Part : FULL

Instructions :

Answer All Questions

No of Questions		Marks
Q1.	 <p>As per above mentioned plan you have to generate a 3D model in STAAD of G+9 storied building. Floor to floor height is 3 meters.</p> <p>Define and write generation procedure of geometry of above mentioned structure in STAAD platform in detail.</p>	30
Q2	<p>Calculation the floor load intensity of above mentioned structure considering following data.</p> <ul style="list-style-type: none"> i) RCC slab thickness is 150mm. ii) Floor finish thickness 50mm. iii) Plaster thickness is 15mm <p>Write in detail the procedure of define and assign of FLOOR LOAD in STAAD platform.</p>	20
Q3	<p>Floor to floor height is 3 meter external wall thickness 250 mm made with normal clay brick work.</p> <p>Calculate the wall intensity load and write the procedure of define and assign of external wall load</p>	20