40

01

Total Marks:

Total Pages:



School:School of Engineering and TechnologyProgram/s:BTech CivilYear:4thSemester:Examination:End Semester ExaminationExamination year:May - 2023

 Course Code:
 CMP 801
 Course Name:
 CASAD

 Date:
 16/05/2023
 10:00 am to 12:00 pm
 CASAD

Instructions:

Write each answer on a new page Use of calculator is permitted Make suitable assumptions wherever necessary Use of Codes IS 1893 is permitted

Q. No.	Details	Marks	COs"	BTL#
Q.1	Attempt the following (any 3)	15		
(1)	Explain the impact of flat slab system v/s flat slab with shear wall system.		CO1	BT4
2)	Express with sketch why an outrigger system should be preferred focusing on its behaviour and optimum position.		C01	BT2
3)	Explain infilled frame system in detail.		C01	BT1
4)	Which code is used for determining Base shear? Write the steps for determining base shear.		CO3	BT2, BT3
Q.2	State the types of loading applied in STAAD Pro. Describe step wise how seismic loading is generated in software STAAD Pro? OR State the various support which could be assigned with STAAD Pro software. Also explain importance of each support stating when it should be assigned.	5	C05	BT4
Q.3	For a 50 storey building of 3.5 m story height, determine the design acceleration coefficient considering various soil conditions and masonry infill conditions.	5	CO2	BT5
Q.4	With the context of your internship, explain how can this course have an impact on practical learning? Enlist the points which you directly could correlate.	5	C05	BT6
Q.5	Find the centre of mass & centre of stiffness for the given example for Fig.:	10	CO4	BT 1,2, 3,4

