

6<sup>TH</sup> SEM./ CIVIL /2022(S)

TH3 Advance Construction Techniques & Equipments

Full Marks: 80

Time- 3 Hrs

Answer any FIVE Questions including Q No.1& 2  
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
  - a. Define prefabrication.
  - b. What is artificial timber?
  - c. Define hot bitumen??
  - d. What is HDPE?
  - e. What is retrofitting of building?
  - f. What is earthing?
  - g. What are geo synthetics?
  - h. Define earthquake?
  - i. What is the instrument used to measure intensity of earth quake?
  - j. Define per capita demand?
  
2. Answer **Any Six** Questions 6 x 5
  - a. Write short notes on glass fibre?
  - b. Write pre fabrication and its necessity?
  - c. Write down about ground improvement techniques?
  - d. Write down the major effects of earthquake on RCC buildings?
  - e. Write down about artificial system of ventilation.
  - f. Write down about artificial seasoning of timber?
  - g. Write down about geo textiles and geogrids.
  
3. Explain the classification of retrofitting system. 10
4. Write down the process of cold water distribution in high rise buildings? 10
5. Explain horizontal bands used in building. 10
6. Write short notes on 10
  - a. Wall cladding
  - b. Acoustic material
7. Describe about excavating equipments. 10