

## 6<sup>th</sup> Sem

### ADVANCE CONSTRUCTION TECHNIQUES AND EQUIPMENTS

#### 1. 2 Marks questions

- (a) What do you mean by curing of concrete?
- (b) What do you mean by target strength in concrete mix-design?
- (c) Define workability of concrete.
- (d) What do you mean by reinforcing?
- (e) What do you mean by fibres?
- (f) What do you mean by Earthquakes?
- (g) Define retrofitting of structures.
- (h) How the intensity of light is measured?
- (i) What do you mean by building configuration?
- (j) What are the functions of bulldozers and dragline?

#### 2. 5 Marks questions

- (a) What are the different properties and uses of artificial timber ?
- (b) What are the systems and problems on ventilation? Describe with sketches.
- (c) Write the advantages and disadvantages of prefabrication.
- (d) What are the electrical service requirements in high rise building?
- (e) What are the sources of weakness in RCC framed building?
- (f) State different plan configuration problem.
- (g) Describe briefly how plastics are used in construction of structures.

#### 10 Marks Questions

3. Classify retrofitting techniques and describe their uses.
4. Describe different earth moving and compacting equipments indicating their specific use with suitable sketches.
5. Discuss about the building characteristics in earthquake resistance construction.
6. What do you mean by earthing? Describe the process and advantages of earthing.
7. Write short notes on.
  - (a) Micro silica
  - (b) Soil Reinforcing
  - (c) Acoustic material
  - (d) Geo-synthesis