

Seat No. : _____

NP-125

December-2015

B.Arch., Sem.-VII

AR-702 : Advance Building Construction

Time : 3 Hours]

[Max. Marks : 50

- Instructions :** (1) Provide sketches wherever required.
(2) Labelling of material specification in all sketches are compulsory.

1. What is solar passive system ? Explain briefly with sketches any two example of each system in the building. **8**

2. Explain any three structural and non-structural damages caused due to earthquake and describe retrofitting methods adopted for them. **9**

OR

Define the following :

- (a) Retrofitting
- (b) Repairing
- (c) Restoration

3. Describe briefly main considerations for quality control of the building. **8**

OR

Explain briefly any eight safety measures to be adopted for ongoing projects.

4. Write short notes from the following : (any **two**) **8**

- (a) Lift slab construction
- (b) Slip form construction
- (c) Industrial flooring

5. What is pre-engineered building ? How is it different from conventional steel structure ? **9**

6. Describe various building waste and their management. **8**

NP-125