222	
JJZ	

Register No.:	
_	

April 2018

<u>Time - Three hours</u> (Maximum Marks: 75)

- [N.B: (1) Q.No. 8 in PART A and Q.No. 16 in PART B are compulsory.

 Answer any FOUR questions from the remaining in each FART A and PART B
 - (2) Answer division (a) or division (b) of each question in PART C.
 - (3) Each question carries 2 marks in PART A, 3 marks in Part B and 10 marks in PART C.]

PART - A

- 1. Define a pile.
- 2. Define admixtures.
- 3. What is a prefabricated building?
- 4. What is the module for a wall?
- 5. List any two major earthquakes occurred in India.
- 6. What do you mean by demolition of buildings?
- 7. How structural cracks are formed?
- 8. What do you mean by property refurbishment?

PART - B

- 9. What is a composite member?
- 10. Describe the module for flooring scheme.
- 11. What-are the requirements of an ideal structural joint?
- 12. List the points to be considered in emergency exit arrangement.
- 13. What are the causes of earthquake?
- Briefly explain about repair to terrazzo flooring.
- Describe about energy saving houses.
- 16. Briefly explain about lift modernisation.

[Tumm	
Liurn	over

185/590-1

PART - C

17. (a) Explain in detail the pile load test with neat sketch.

(Or)

- (b) Explain the Freyssinet system of pre-stressing with neat sketches.
- 18. (a) (i) Write short notes on modular coordination.
 - (ii) Explain about the different tolerances in prefabrication system.

(Or)

- (b) State and explain the three important methods of prefabrication.
- 19. (a) Explain in detail the various types of fire protection system.

(Or)

- (b) (i) Define any six technical terms used in earthquake.
 - (ii) Write short notes on seismic coefficient for different zones.
- 20. (a) (i) Describe the demolition process by using mechanical methods.
 - (ii) Explain the procedure to provide opening for fixing door in existing masonry.

(Or)

- (b) List the methods of repairing cracks and explain any four methods in detail with sketches.
- 21. (a) List out the steps to be adopted while transforming from traditional style to modern style.

(Or)

(b) What are the steps to be followed in drafting a construction contract?

185/590-2