

GUJARAT TECHNOLOGICAL UNIVERSITY
D. ARCH– SEMESTER –4 EXAMINATION –Summer-2019

Subject Code: 3346202**Date:09-05-2019****Subject Name: Advanced Construction Technology****Time:10:30 AM To 12:30 PM****Total Marks: 50****Instructions:**

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Use of programmable & Communication aids are strictly prohibited.
5. Use of only simple calculator is permitted in Mathematics.
6. English version is authentic

- Q.1** Explain long span structures with proper illustrations of space frame and waffle slab. **10**
- Q.2** Explain any two:- **10**
- (a) Remote Control system for doors and windows
- (b) Structural glazing
- (c) Laminated Glass blocks
- Q.3** What do you understand by precast and Pre- stressed concrete and explain their applications in construction industry. **10**
- Q.4** Write short notes on: **10**
- (a) PVC as a building material
OR
- (a) FRP as a building material
- (b) Explain etching of glass and its applications in building industry for both exterior and interior.
- Q.5** Explain Pneumatic structure in detail. Support your answer with proper examples. **10**
- OR
- Q.5** Explain domes and its types in detail. Support your answer with proper sketches.
