

Seat No.: _____

Enrolment No.: _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA ENGINEERING – SEMESTER – III • EXAMINATION – SUMMER 16

Subject Code: 3336202

Date: 01.06.2016

Subject Name: Construction Technology - III

Time: 02:30 AM TO 04:30 PM

Total Marks: 50

Instructions:

1. Attempt all questions.
2. Make Suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Supplement your answer with neat sketches wherever necessary.

- Q.1** Explain the following Terms for any Five. **10**
1. Grid Slab
 2. Flat Slab
 3. Sunk Slab
 4. One way slab
 5. Two way Slab
 6. Filler Slab
 7. Cantilevered Slab
- Q.2** (a) Explain the frequency of sound waves. **05**
OR
(a) Explain Echo, its causes and remedies. **05**
(b) Write a Short note on perforated surface as acoustical material **05**
OR
(b) Write a Short note on paneling as acoustical treatment. **05**
- Q.3** (a) Write a Short note on sound reverberation **05**
OR
(a) Write a Short note on Pile Foundations. **05**
(b) Differentiate between One way and Two Way slab. **05**
OR
(b) Differentiate between Filler slab and sunk slab **05**
- Q.4** (a) Discuss in brief about isolated column footings **05**
OR
(a) Discuss in brief about combined footings **05**
(b) Discuss in brief about types of shallow Foundations **05**
- Q.5** Discuss in detail about the acoustical defects in an auditorium and explain each with the help of a sketch. **10**
