

GUJARAT TECHNOLOGICAL UNIVERSITY**DIPLOMA IN ARCHITECTURE –SEMESTER 3– • EXAMINATION – SUMMER 2017****Subject Code: 3336202****Date: 27/ 04/ 2017****Subject Name: Construction Technology - III****Time: 02:30 PM 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.

- Q.1 (a) 05**
Explain the working and construction of a filler slab with the help of neat sketches.
- (b) 05**
Explain various materials used for a filler slab and advantages of a filler slab
- Q.2 (a) 05**
Describe the various types of vaults with sketches.
- (b) 05**
Describe the various types of Domes with sketches.
- OR**
- (b) 05**
Discuss the types of acoustical defects in an enclosed space
- Q.3 (a) 05**
Write a Short note on Cantilever Slab
- (b) 05**
Write a Short note on Two Way Slab
- Q.4 (a) 05**
Write a Short note on polyurethane forms (PUF)
- (b) 05**
Discuss Reverberation Sound
- Q.5 (a) 05**
Explain the following Terms for any Five.
1. Threshold of Audibility
 2. Loudness
 3. Echo
 4. Sound Intensity
 5. Frequency
 6. Sound Pressure
 7. Pitch of Sound
- (b) 05**
Discuss in brief about types of Foundations