

GUJARAT TECHNOLOGICAL UNIVERSITY
BArch - SEMESTER-VI • EXAMINATION – SUMMER 2017

Subject Code: 1065002

Date: 02/05/2017

Subject Name: Building Construction -VI

Time: 10.30AM to 01.30PM

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable sketches wherever necessary.
3. Figures to the right indicate full marks.
4. Draw sketches wherever required.

Q.1 (a) Explain the following : (any four) 04

1. Plaster
2. Gypsum board
3. Wood wool
4. Timber wood & Plywood
5. Mosaic Tiles
6. Terrazzo Tiles

(b) Explain with sketches Structural Glazing & Glazed Curtain walls 04

Q.2 (a) Define Elevators and Explain the various parameters to be considered while designing Elevators. 04

(b) What are Seismic waves? Mention various types of seismic waves. Explain with sketches. 04

OR

(b) Define Earthquakes. Explain with sketches the concept of fault during Earthquake. 04

Q.3 Explain the various types of floors with suitable examples. Give a list of Materials which are commonly used as flooring. 08

OR

Q.3 (a) Mention the flooring materials which you will recommend for the following: 04

1. Art Gallery
2. Bathroom
3. Hospital
4. School building
5. Mosque
6. Church
7. Temple
8. Kitchen

(b) Explain the various types of Ducts; with suitable sketches. 04

Q.4 (a) Enlist & Explain the various sanitary fixtures of toilets. 08

(b) Enlist & explain the various fixtures used in Kitchen

OR

Q.4 Explain & Enlist the various components of Paints. Explain & Enlist the types of Varnishes. 08

Q.5 Write a short note on the following with sketches: 08

1. Glass Partition.
2. Timber Partition.

OR

Q.5 Differentiate the following: 08

1. Suspended flooring & Suspended Ceiling
2. Ramp & Stair
