

GUJARAT TECHNOLOGICAL UNIVERSITY**BA- SEMESTER-VI EXAMINATION – WINTER 2020****Subject Code:1065002****Date:20/01/2021****Subject Name:Building Construction-VI****Time:02:00 PM TO 04:00 PM****Total Marks: 27****Instructions:**

1. Attempt any three questions out of Q.1 to Q.6.
2. Q.7 is compulsory,
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

- Q.1** How we can find the type of rocks and minerals within the earth structure based on seismic anisotropy studies? **08**
- Q.2** How could the changes in shear wave velocity of a soil deposit be estimated during an earthquake excitation? **08**
- Q.3** Write short notes. Attempt Any four. **08**
1. Curtain wall
 2. Structure
 3. Lift
 4. False ceiling
 5. Building services
 6. Duct
- Q.4** An office building located at near railway station. And one side of site surrounded by residential area. Building height near about 30 meter. You should propose suitable type of structure glazing for building and make each and eve **08**
- Q.5** How do you see the role of aluminum and structure glazing in evolving low cost building? **08**
- Q.6** Suggest service duct for 100 bedded hospital building. Draw sketch and details of service duct. **08**
- Q.7** Explain any one of the following. **03**
1. UV protected glass
 2. Low VOC paints
 3. Low embodied energy material
 4. Pervious paved material
 5. Varnishing
 6. Wooden partition wall
