

Course:-MT- CES-231-Earthquake resistant Design of Structure

Assignment No: II

Submission Date: 07 December 2016

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your name ,programme and enrollment number clearly at the top of the Pages

Q.1

(a)Write the concept of seismic design of earthquake.

(b) What is the principle of design of beam?

Q.2

(a) Write the analysis response spectrum of the earthquake.

(b)Write the short note on-

- i. Dynamic response
- ii. Vibration isolation

Course:-MT- CES-232-Advance soil mechanics and foundation engineering

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Q.1

- (a) What is the main function and uses of retaining wall?
- (b) What do you understand by grouting? Explain its types.

Q.2

- (a) What are the methods of improving granular and cohesive soil for foundation?
- (b) Describe the main components and uses of pile and well foundation.

Course: MTCES-233-Tall Buildings

Assignment No: II

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Q.1

- a) Write in detail wind loads and cladding pressures on behavior of tall buildings.
- b) What do you mean by Tall building behavior during earthquakes and seismic design philosophy?

Q.2

- a) Write in detail about various structural forms and their importance to high rise architecture.
- b) Write the short note on-
 - i. Flooring Systems in concrete & steel
 - ii. Reduction techniques.

Course: MTCES-234-1- Advanced Construction Material
Assignment No: II

Submission Date: 07 December 2016

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Q.1

a) Write in detail about Corrosion of concrete in various environments and Corrosion of reinforcing steel.

b) What do you mean by Fiber reinforced plastic in sandwich panels?

Q.2

a) Write in detail about Structural elastomeric bearings and resilient seating.

b) Write the short note on-

- i. Ferro-cement
- ii. Fibers and composite.