



# IQRA NATIONAL UNIVERSITY, PESHAWAR

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## Department Of Civil Engineering

Mid Term Re-Exam (Spring 2020)

**Subject:** Introduction To Earthquake Engineering

**Duration:** 6 Hours

**Instructor:** Engr Khurshid Alam

**Total Marks:** 30

**Semester:** B-Tech Civil 6<sup>TH</sup>

**Course Code:** CT-634

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**Note:** Attempt all the questions.

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**Q.NO.(01)**

**(4+6)**

(a) Discuss the various types of body waves with diagrams.

(b) Discuss the following

1. Rossi-Forrel's Scale
2. Mercalli Scale
3. Richter Scale

**Q.NO.(02)**

**(4+6)**

(a) What is meant by center of mass and center of rigidity.

(b) Write a detail note on Base Isolation.

**Q.NO.(03)**

**(10)**

Define Re-entrant Corners. What are the effect caused by Re-entrant Corners. What are the remedies for Re-entrant Corners.

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