STRUCTURAL HEALTH MONITORING

TUTORIAL 5

Answer all the questions (Total marks: 20)

PART –A (5X1=5)

1. Visual inspection methods affect _____ *and* _____ , significantly.

2. _____ is the sensor used for wind load assessment

3. _____ methods are less contaminated by noise data.

4. Fractional change in the modal energy is related to _____, which occurs due to _____.

5. Curvature of mode shape can be approximated using _____ technique.

PART –B (5X3=15)

1. Results of visual inspection may be inadequate to compare with true assessment. Why?

2. List the factors that affect system complexity in SHM.

3. How maintenance of SHM system can be reduced?

4. What are the limitations of SCCM?

5. What are different stages involved in the long-term SHM?