STRUCTURAL HEALTH MONITORING

TUTORIAL 2

Answer all the questions (Total marks: 20)

PART –A (5X1=5)

1. _____ is a vital component integrally connected to SHM.

2. Data acquisition depends on _____, _____ *and* _____.

3. _____ tracks the thermal load path in a material, travelled longitudinally over a point of time.

4. SHM system is a generic system. State True or False. *If False, rewrite the correct statement*

5. _____ is one of the simplest methods to address uncertainties that arise in SHM.

PART –B (5X3=15)

1. List preliminary disadvantages of unsatisfactory maintenance of a structural system

2. What are the levels of damage detection?

3. What are different ways through which a statistical model can be developed?

4. Write short notes on DIC technique.

5. State critical issues of uncertainties in SHM?