NPTEL ONLINE COURSE

STRUCTURAL HEALTH MONITORING

TUTORIAL 10

Answer all the questions (Total marks: 20)

PART –A (5X1=5)

1. What is the main aim of embedded sensors?

2. _____ can enable pattern for future prediction.

3. Unsupervised learning is very appropriate to handle SHM of complex system. State True or False.

4. What is the primary objective in the conceptual design of SHM system?

5. _____ is used to process the acquired signal from the accelerometer module.

PART –B (5X3=15)

1. What are the salient features of machine learning?

2. What is data mining?

3. List the factors that affects the output of the SHM system.

4. What are the issues that may arise in using wireless sensors over a large area?

5. What are the sources of noise in signal?