



NPTEL ONLINE COURSE
STRUCTURAL HEALTH MONITORING

TUTORIAL 8

Answer all the questions (Total marks: 20)

PART -A (5X1=5)

1. In areas where visual inspection is not possible, the members can be examined through _____.
2. The damage can be quantified before developing the sensing system by _____.
3. Wireless sensors convert measured data into _____ for transmission.
4. In wired sensor networking, central server is responsible for _____, _____, _____ and _____ of data.
5. What is the most important advantage of wireless sensor network?

PART -B (5X3=15)

1. List the factors to be considered while designing the monitoring system for offshore platforms.
2. What are the common factors that govern the selection of sensors?
3. List the advantages of implementing SHM in strategic structures.
4. What are the limitations of wired sensors?
5. Mention the advantages of MEMS sensor.