

DEPARTMENT OF MECHANICAL ENGINEERING
ME 2037 / MAINTENANCE ENGINEERING
QUESTION BANK

UNIT-III -CONDITION MONOTORING

PART-A (2 Marks)

1. Define condition monitoring
2. What are the advantages of condition monitoring?
3. What are the techniques used in condition monitoring
4. What are the instruments used in condition monitoring
5. Differentiate on load testing and off load testing.
6. What are the causes of vibration?
7. How to analyze the vibration?
8. How to identify the cracks?
9. What is the use of correction monitoring
10. Why the temperature monitoring is necessary

PART-B (16 Marks)

1. What is condition monitoring and explain condition monitoring What type of condition monitoring are normally used in industry
2. What is leakage monitoring ?Explain some of the leakage mediums used for condition monitoring
3. What is wear debris analysis what are the three wear debris analysis techniques commonly used and compare their performance and uses?
4. Briefly explain the cost comparison with and without condition monitoring
5. What is thermal monitoring and what thermal monitoring are used in industries Explain principle and uses of thermograph
6. Briefly explain various methods and instruments for condition monitoring