Code No: C9109 **R09**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH I - SEMESTER EXAMINATIONS APRIL/MAY-2012
MAINTENANCE MANAGEMENT
(HEATING VENTILATION & AIR CONDITIONING)

Time: 3hours **Max.Marks:60**

Answer any five questions
All questions carry equal marks

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1.a) What are the objectives of Maintenance Management? Explain the requirements of maintenance.
b) Should maintenance be regarded as just a repair function? Discuss.

2.a) What are the different types of maintenance systems? Give an illustrative example for an alternative system and explain.
b) How a maintenance system is selected?

3.a) Explain different functions of Preventive Maintenance.
b) Write-down the advantages of Preventive Maintenance.
c) Explain how Preventive Maintenance is better than breakdown maintenance.

4. Write a simulation model for estimating a breakdown cost.

5. What is condition based maintenance system? What is the methodology of CBMS?

6. What is the utility of main performance indices? Discuss about few of them.

7. How can the quality costs taken into account of deciding whether or not to adopt preventive maintenance program in the face of an economic advantage for a repair policy.

8. Write short notes on the following.
a) Equipment used for Maintenance.
b) Frequency of maintenance
c) Importance of sound organization for the maintenance function.

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