Roll No.										

B.E/B.Tech DEGREE END SEMESTER EXAMINATIONS, APR/MAY 2019 (Full Time)

Manufacturing Engineering

Seventh Semester

MF8079–TOTAL PRODUCTIVE MAINTENANCE

(REGULATIONS 2012)

Time:3 hr Max.Mark:100

Answer ALL Questions

Part A (10 x 2 =20 Marks)

1. List out the secondary functions of Maintenance
2. What is Tero Technology?
3. What are the two limit maintenance cases?
4. What are the information contained in PM (Preventive Maintenance) main list?
5. Make a note on Henrich's law.
6. List out seven pillars of TPM
7. Make a note on Maintenance Manual.
8. State the use of Lang graphs in spares planning.
9. List out simple monitoring methods using the senses of a person.
10. Draw and indicate three regions in a failure curve.

Part B (5 x 16=80 Marks)

11. i) Explain about the implications of Break down maintenance 8

ii) Explain about (Preventive Maintenance) PM schedule preparation 8

12. a.i) Explain about the maintenance objectives 8

ii) Enumerate about basic maintenance functions 8

Or

b.i) Elucidate Evans Circular Model of Main functions of Tero Technology 8

ii) Explain about the benefits of Reliability Centered Maintenance (RCM) 8

13. a.i) Briefly explain about office TPM. 8

ii) Elucidate about the Relationship between breakdown Counter measures 8

Or

b.i) Explain about Preventive Maintenance (PM) analysis for eliminating chronic loses in equipment developed by Kunio Shirose. 8

ii) ZD and TPM: Defect prevention systems. Explain with an Example. 8

14. a.i) Discuss about human factors in Maintenance function 8

ii) Enumerate the functions of maintenance planning and control 8

Or

b.i) Enumerate about maintenance staffing methods. 8

ii) List out methods used in spare parts inventory analysis and selective control. Explain any one. 8

15. a.i) Explain the factors affecting industrial application of condition monitoring 8

ii) Elucidate Maintenance Management Information System. 8

Or

b.i) Explain how selection of machines and components for effective monitoring. 8

ii) Explain about vibration monitoring 8
