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Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



VI SEMESTER B.TECH (INDUSTRIAL & PRODUCTION ENGINEERING)

END SEMESTER EXAMINATIONS, JUNE /JULY 2016

SUBJECT: PLANT ENGINEERING AND MAINTENANCE (MME-350)

REVISED CREDIT SYSTEM (PE – II)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

❖ Answer **ANY FIVE FULL** questions.

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| 1A. | What are the properties of good lubricant? | (04) |
| 1B. | Briefly explain various types of Safety organizations. | (03) |
| 1C. | Write a note on fire extinguisher. | (03) |
| 2A. | Explain various fire prevention techniques. | (04) |
| 2B. | Explain in brief safety standards for Material handling equipment. | (03) |
| 2C. | Explain corrosion control process with neat sketch. | (03) |
| 3A. | Define fire. Give classification of fire with examples. | (03) |
| 3B. | Write a short note on analysis of accident records. | (03) |
| 3C. | Explain with neat sketch Cyclone separators. | (04) |
| 4A. | Explain various physical methods of effluent treatment. | (03) |
| 4B. | Write a short note on safety standards for Electrical equipment. | (04) |
| 4C. | What are the objectives of maintenance? Explain. | (03) |
| 5A. | Explain solid industrial waste disposal system. | (04) |
| 5B. | Define the terms Reliability, Maintainability and Availability with examples | (03) |
| 5C. | Explain working of Centrifugal cyclone scrubber. | (03) |
| 6A. | Explain oxidation and reduction method of effluent treatment. | (03) |
| 6B. | What are the causes of failure? Explain. | (04) |
| 6C. | Explain in brief Repair cycle and Repair complexity. | (03) |