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Manipal Institute of Technology, Manipal

(A Constituent Institute of Manipal University)



VII SEMESTER B.TECH (INDUSTRIAL & PRODUCTION ENGINEERING) END SEMESTER (MAKE UP) EXAMINATIONS, DEC 2015/JAN 2016

SUBJECT: INDUSTRIAL SAFETY ENGINEERING [MME 463]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

❖ Answer **ANY FIVE FULL** the questions.

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| 1A. | Write a short note on the “industrial accident in India”. | 05 |
| 1B. | Discuss in brief (i) Epidemiological theory & (ii) System theory of accident causation. | 05 |
| 2A. | List the major ten mistakes that has to be avoided in any industrial accident investigation. | 05 |
| 2B. | Write a short note on point-of-operation safeguards. | 05 |
| 3A. | List the strategies recommended for reducing workplace stress. | 05 |
| 3B. | Write a short note on the do’s and don’ts of ladder use | 05 |
| 4A. | Discuss about the severity of burns in case of temperature hazards. | 05 |
| 4B. | Explain in brief (i) High temperature water hazards (ii) Hazards of unfired pressure vessels. | 05 |
| 5A. | List & explain the six methods used by the insurance companies in determining the premium rates of employees with respect to workmen compensation. | 05 |
| 5B. | List and explain the three options available to companies that wish to have their employees participate in firefighting. | 05 |
| 6A. | Write a short note on caution signs and labels used to prevent radiation hazards. | 03 |
| 6B. | Write a short note on Chronic tenosynovitis. | 02 |
| 6C. | Explain the most common problem with whistle blowing. | 05 |