

R09

Code No: 58018

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, September - 2020

MAINTENANCE AND SAFETY ENGINEERING

(Common to ME, AE)

Time: 2 Hours

Max. Marks: 75

**Answer any Five Questions
All Questions Carry Equal Marks**

1. The equipment life cycle may be divided into four phases. What are they? Explain in detail. [15]
2. Explain briefly about various maintenance Project Control Methods. [15]
3. Define preventive maintenance. What is its primary goal? How do you evaluate a preventive maintenance program? Explain. [15]
4. What are the different inventory control models? Explain the economic lot size model with uniform rate of demand, finite rate of replenishment and having No shortages. [15]
5. List the different types of hazards for the safety of industrial workers. [15]
6. What is maintenance budgeting? Explain the need of maintenance budget preparation. [15]
7. Explain the Reliability measures and formulas. [15]
8. The system life cycle may be divided into four phases, what are they? Explain in detail. [15]

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