

INDUSTRIAL ENGINEERING

Q1. The characteristic life cycle of a product consists of four periods. The rate of consumption increases rapidly at the beginning of _____.

- Maturity period
- Decline period
- Incubation period
- Growth period

Q2. Which of the following failures is attributable to the application of stress beyond the stated capabilities?

- Sudden failure
- Misuse failure
- Gradual failure
- Inherent, weakness failure

Q3. Company XYZ has an annual demand of 1000 units, an ordering cost of Rs. 100 per order and a carrying cost of Rs. 100 per unit. If the stock-out costs are Rs. 400 each time the company runs out-of-stock, determine the safety stock required that would justify the carrying cost?

- 4
- 20
- 40
- 100


Q4. Which of the following statements is/are true?

1. Work-in-process and throughput time are high in process layout.
2. Production cost per unit is high in product layout.
3. Work-in-process and throughput time is high in product layout.

- Both 1 and 2
- Both 2 and 3
- Only 1
- Only 3

Q5. Which of the following statements is incorrect?

- Bar charts are suitable for minor work
- In time study, normal time is more than standard time
- Stop-watch is the basic tool in work study

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- Material handling in automobile industry is done by overhead cranes