Q.1. What are the objectives of material handling? List the guidelines for effective utilisation of material handling equipment.

(5+5=10)

Q.2. Define materials management. Discuss the objectives and importance of materials management.

OR

Quality control is an essential tool for long term success. Discuss various techniques that can be used in a bread making unit to ensure quality control (from raw material to final product stage).

(10)

Q.3. What is work measurement? Explain any five work measurement techniques.

(3+7=10)

OR

Discuss the packaging and distribution techniques adopted by various food outlets.

(10)

Q.4. Differentiate between:
(a) Breakdown Vs Preventive maintenance
(b) Planned Vs Routine maintenance

(5+5=10)

Q.5. Write short notes on any four:
(a) Just in time (JIT)
(b) Computer aided maintenance
(c) Selection of material handling equipment
(d) Codification
(e) Standardization

(4x2 ½ =10)
Q.6. A factory uses annually 24000 units of a raw material which costs Rs.1.25 per unit. Placing each order costs Rs.25/- and carrying cost is 6% per year of the average inventory. Calculate economic order quantity.

OR

Waste management plays a major role in controlling pollution. Comment. (10)

Q.7. What is inventory management? Explain inventory control techniques used in hotel industry. (2+8=10)

Q.8. Explain the following in 2 to 3 lines:
(a) Buffer stock
(b) Tools for quality control
(c) Codification
(d) Material handling
(e) Ergonomics (5x2=10)

Q.9. A State True or False:
(a) Economic order quantity is all about ordering right quantity at right time.
(b) Kanban is a physical control system consisting of cards and containers.
(c) Fixing accountability can lead to failure in quality management.
(d) Wastage level in manufacturing influences the productivity.
(e) Synthesis method for work sampling involves observation on a particular staff.

B Match the following:
(i) Economic order quantity (a) Incineration
(ii) Waste disposal (b) Carrying cost
(iii) Fork lift truck (c) Stop watch
(iv) Time study (d) Load
(v) Work measurement (e) Analytical (5+5=10)

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