

ROLL No.....

NATIONAL COUNCIL FOR HOTEL MANAGEMENT
AND CATERING TECHNOLOGY, NOIDA
ACADEMIC YEAR – 2018-2019

COURSE : 2nd Semester of M.Sc. in HA
SUBJECT : Equipment & Materials Management
TIME ALLOWED : 03 Hours MAX. MARKS: 100

(Marks allotted to each question are given in brackets)

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)
