



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : BSCMC402 Inventory Management

UPID : 400122

Time Allotted : 3 Hours

Full Marks : 70

The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :

[1 x 10 = 10]

- (i) State any two advantages of Integrated Materials Management
- (ii) Mention two objectives of Scientific Purchasing.
- (iii) Mention any two functions of Stores Department.
- (iv) The full form of EOQ is _____.
- (v) The Full form of MRP II is _____.
- (vi) State any two factors that influence the work in progress.
- (vii) Materials Requirement planning is a very useful technique and it is used in all kinds of _____ industries
- (viii) Make or buy decision is considered to be a _____ duty performed by the purchasing Department
- (ix) _____ analysis is based on the frequency of use of the items in the stores.
- (x) If the annual consumption of an item increases by four times, its EOQ will increase by _____ times
- (xi) Name any two methods which are available to determine effective lot size of MRP.
- (xii) State the formula for calculating Inventory Turnover Ratio.

Group-B (Short Answer Type Question)

Answer any three of the following :

[5 x 3 = 15]

2. Discuss the characteristics of a good supplier [5]
3. Define Work in Progress. Is it necessary to control it? [5]
4. Explain in brief the concept of HML Analysis [5]
5. From the following particulars in respect of the use of material compute i) EOQ ii) Frequency of orders during the year and c) Time interval between orders: Annual Usage Rs. 360000; Ordering Cost per order Rs. 100 and Carrying Cost per annum 8% [5]
6. "In continuous or process production units, finished goods inventory usually consists of inevitable stocks, there being not much scope to regulate them". Discuss [5]

Group-C (Long Answer Type Question)

Answer any three of the following :

[15 x 3 = 45]

7. Define MRP II. List and explain the steps of implementation design of MRP II. [15]
8. Analyse the relationship of inventory to working capital? Analyze how does a company optimise investment in inventory? <https://www.makaut.com> [7+8]
9. From the information provided as under you are required to prepare a statement showing how the issues would be priced if LIFO method is followed [15]
 - 1.2.2014 Opening Balance 100 units at Rs. 10 each
 - 2.2.2014 Received 200 units at Rs. 10.50 each
 - 3.2.2014 Received 300 units at Rs. 10.60 each
 - 4.2.2014 Issued 400 units to Job A
 - 6.2.2014 Issued 120 units to Job K
 - 7.2.2014 Received 400 units at Rs. 11 each
 - 10.2.2014 Issued 200 units to Job B
 - 11.2.2014 Received 300 units at Rs. 11.40 each
 - 13.2.2014 Received 200 units at Rs. 11.50 each
 - 17.2.2014. Issued 400 Units to Job D
10. Explain the JIT system [15]

11. Explain about the different methods which are available to determine effective lot size in Material Requirement Planning [15]

*** END OF PAPER ***