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Seat
No.

[4968]-403

B.C.A. (Fourth Semester) EXAMINATION, 2016

INVENTORY MANAGEMENT (SAD)

(2008 PATTERN)

Time : Three Hours　　　　　　　Maximum Marks : 80

1. Attempt any *eight* of the following :　　　　[8×2=16]

   (*a*) What is shortage cost ?

   (*b*) Define types of inventory.

   (*c*) State various types of technological emergencies.

   (*d*) What is flow chart ?

   (*e*) Give any *two* advantages of Bar Code.

   (*f*) Define reengineering.

   (*g*) What is maximum level of stock ?

   (*h*) What is Test Counting ?

   (*i*) Define UPC.

   (*j*) What is Pilferage ?

2. Attempt any *four* the following :　　　　[4×4=16]

   (*a*) Explain reverse engineering for user processing.

   (*b*) Explain taxonomy of CASE tool.

   (*c*) With suitable diagram explain business continuity plan.

P.T.O.

(*d*)   Explain need of inventories.

(*e*)   Explain elements of bar code.

3.   Attempt any *two* the following :   [2×8=16]

(*a*)   The annual demand for the product is 6400 units.

The unit cost is Rs. 6 and inventory carrying cost per unit per annum is 25% of average inventory cost.

If the cost of procurement is Rs. 75, determine :

(*i*)   EOQ

(*ii*)   No. of orders per annum.

(*b*)   ABC industries has an inventory of 10 item based on the Price and usage. Determine which item should be categorized as A, B and C. Perform ABC analysis on the following data :

Item	Price	Annual Usage
1	50	150
2	300	120
3	20	500
4	0.10	2000
5	0.04	5000
6	100	400
7	0.50	1000
8	10.00	200
9	400	50
10	2.4	1500

(*c*)   Why inventory system fail ? How to fix them ?

4.   Attempt any *four* the following :   [4×4=16]

(*a*)   With suitable diagram explain BPR model.

(*b*)   Explain drawbacks of CASE tools.

(c) How to monitor and control inventories ?

(d) Explain First In First Out method for pricing raw material with advantages and disadvantages.

(e) Discuss legal duties of storekeeper.

5. Write notes on any *four* :   [4×4=16]

(a) Theft

(b) Software engineering process model

(c) Objective of Inventory Management

(d) Software Maintenance

(e) JIT.