22BLU208/ L21C11/ 21BLU08/ L21C09

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BBA DEGREE EXAMINATION MAY 2024
(Second Semester)

Branch – **BUSINESS ADMINISTRATION (LOGISTICS)**

FORECASTING AND INVENTORY MANAGEMENT

Time: Three Hours   Maximum: 50 Marks

SECTION-A (5 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (5 x 1 = 5)

1. The first step in time-series analysis is to
   i.   perform preliminary regression calculations.
   ii. calculate a moving average
   iii. plot the data on a graph
   iv. identify relevant correlated variables

2. Trend projection is an example of which kind of forecasting?
   i.   Time-series   ii. Qualitative
   iii. Econometric   iv.Barometric

3. Which of the following is not an inventory?
   i.   Machines   ii. Raw material
   iii. Finished products   iv. Consumable tools

4. 'Buffer stock' is the level of stock
   i.   Half of the actual stock
   ii. At which the ordering process should start
   iii. Minimum stock level below which actual stock should not fall
   iv. Maximum stock in inventory

5. One of the important basic objective of Inventory management is
   i.   to calculate EOQ for all materials in the organization.
   ii. to go in person to the market and purchase the materials
   iii. to employ the available capital efficiently so as to yield maximum results
   iv. once materials are issued to the departments, personally check how they are used

SECTION - B (15 Marks)
Answer **ALL** Questions
ALL Questions Carry **EQUAL** Marks   (5 x 3 = 15)

6 a   Write short notes on Trend analysis.
               OR
   b   Briefly explain about the sources of Demand.

7 a   What is sales and operations planning process?
               OR
   b   Write short notes on collaborative planning.

8 a   Which method is most important in inventory management?
               OR
   b   Mention the usage of computer in Inventory management.

9 a   State the coding structure in Inventory Management.
               OR
   b   Classify the different cost associated with Inventories.

10 a   Determine the different inventory level.
OR
     b   How you will calculate the safety stock.

SECTION -C (30 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** Marks   (5 x 6 = 30)

11 a   Explain the new concept of, 'Supply Chain'-as a series of suppliers. How, 'supply chain' differ from traditional materials management ?
OR
     b   Evaluate the different types of demand forecasting.

12 a   Determine the role of technology in information forecasting
OR
     b   Discuss the collaborative planning.

13 a   Explain the different types of goods with suitable examples.
OR
     b   Describe the latest trends in inventory management

14 a   What is EOQ ? What are the costs associated with EOQ ? Explain with graph.
OR
     b   Elaborate and explain the models in logistics

15 a   Enumerate the customer service level by using examples.
OR
     b   Identify and explain the various steps involved to improve inventory management.

Z-Z-Z   END