

(Please write your Exam Roll No.)

Exam Roll No. ....

## END TERM EXAMINATION

THIRD SEMESTER [BBA] JANUARY-FEBRUARY 2023

**Paper Code: BBA 209      Subject: Production & Operations Management**

**Time: 3 Hours**

**Maximum Marks: 75**

**Note: Attempt five questions in all including Q.No.1 which is compulsory.**

- Q1. Answer **any five** from the following: **(5x5=25)**
- (a) Compare the features of continuous and intermittent production system.
  - (b) Define different types of cost associating with the inventories.
  - (c) Describe the role of Routing and Scheduling for optimizing the production.
  - (d) Describe the elements of SIX SIGMA.
  - (e) Differentiate CAD & CAM.
  - (f) Define ABC &VED analysis of inventory control.
  - (g) Define different features of product design
  - (h) ERP
- Q2. Define Production & Operations Management. Also elaborate objectives and scope of POM? **(12.5)**
- Q3. Plant location is one of the crucial decisions for an entrepreneur. Enumerate and explain the concept of plant location and all the major factors to be considered while selecting a location for setting up a plant. **(12.5)**
- Q4. Elaborate EOQ model of Inventory control along with its assumptions and formula. Also describe the role of ordering & carrying cost in this model. **(12.5)**
- Q5. What do you meant by maintenance management? Briefly describe all the types of maintenance. **(12.5)**
- Q6. Explain the concept of TQM& quality control. What are the different phases of quality control to be taken into account while designing and delivering a product? **(12.5)**
- Q7. Define the concept of plant layout also explain all the types of plant layout along with their advantages & disadvantages. **(12.5)**

**P.T.O.**

[-2-]

- Q8. (a) An auto industry purchase electronic component at the rate of Rs. 25 per piece. The annual usage is 18000 units, if ordering cost is Rs. 250 per order and carrying cost is 25% p.a, what would be the EOQ?
- (b) ABC Company is evaluating three locations for setting up a new plant and has weighted the relevant scores as given below. Using these scores, develop a qualitative factor comparison for the three locations.

(12.5)

Relevant Factors	Assigned Weight	Scores for Locations		
		A	B	C
Production cost	0.35	50	40	60
Raw material supplied	0.25	70	80	80
Labor availability	0.20	60	70	60
Transportation cost	0.10	80	70	40
Markets	0.07	50	60	70
Environment	0.03	70	90	80
<b>Total</b>	1			

\*\*\*\*\*

(Please write your Exam Roll No.)

Exam Roll No.

# END TERM EXAMINATION

THIRD SEMESTER [BBA] JANUARY 2024

Paper Code: BBA-209

Subject: Production and Operations Management

Time: 3 Hours

Maximum Marks: 75

**Note: Attempt five questions in all including Q1. Which is compulsory. All questions carry equal marks.**

- Q1 Answer **any five** short notes from following:
- (a) ISO 9001
  - (b) Benchmarking
  - (c) Differentiate between Plant Location and Plant Layout
  - (d) List three differences between production and Operation Management
  - (e) Poka Yoke
  - (f) Six Sigma
  - (g) Material Management
- Q2 Explore the concept of a production system in the context of business operations. How does it encompass the entire process of converting inputs into outputs?
- Q3 Assume it as Production manager; explain the factors influencing Plant location with an example.
- Q4 Discuss the steps of purchasing procedure. Also explain the different methods of purchasing.
- Q5 Imagine you are the inventory manager for a retail business that sells a popular product with a constant demand rate of 2,000 units per year. The ordering cost per order is \$100, and the carrying cost per unit per year is \$2. Calculate the Economic Order Quantity (EOQ) for this product, and explain how this quantity can help in optimizing the inventory management process. And also explain the concept of EOQ.
- Q6 Explain the different quality control Techniques.
- Q7 Explore the principles of Total Quality Management. How can TQM be implemented to improve processes, reduce defects, and foster a culture of continuous improvement?
- Q8 Discuss the differences between proactive and reactive maintenance approaches. How does a proactive maintenance strategy contribute to minimizing downtime and preventing unexpected failures?

\*\*\*\*\*