(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.

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
Total	1			

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