

End-Term Examination
(CBCS)(SUBJECTIVE TYPE)(Offline)
Course Name:<B.Tech IT/CSE/CSE-AI >, Semester:<4>
(April -May, 2023)

Subject Code: BMA 210	Subject: Operations Management
Time :3 Hours	Maximum Marks :60
Note:Q. 1 is compulsory. Attempt one question each from the Units I, II, III & IV.	

Q1		(2.5*8=20)
(a)	What is the benefit of Operations Management in any industry?	
(b)	What steps can be considered to increasing productivity ?	
(c)	Enlist any six functions of management?	
(d)	What is RFID? How it can be useful in supply chain management?	
(e)	Differentiate between Work study and Motion Study	
(f)	Draw and explain curve of Product Life cycle?	
(g)	What is the need of Inventory Management? Enlist its objectives?	
(h)	Differentiate between Preventive Maintenance and Breakdown Maintenance?	
UNIT-I		
Q2	<p>a) A mobile phone manufacturing company is producing 44,000 mobile phones per month by employing 200 workers in 8-hour shift. The company gets an additional order to supply 6000 mobile phones. The management has decided to employ additional workers. What will be production and productivity levels when the number of additional workers employed is: (a) 20 (b) 25 and (c) 30.</p> <p>b) Explain Total Factor Productivity? Mention its advantages and Limitations?</p>	<p>(5)</p> <p>(5)</p>
Q3	Explain Levels of Managements and their functions? Use example in support to your answer?	(10)
UNIT-II		
Q4	Explain steps used to conduct the method study? Use example in support to your answer?	(10)
Q5	Explain Process Life Cycle? Use example in support to your answer?	(10)
UNIT-III		
Q6	a) Differentiate between Forward and Backward Scheduling in any industry?	(5)
	b) What is the significance of Master Schedule? Explain with an example?	(5)
Q7	<p>a) Explain Basic EOQ model and mention assumptions used in the EOQ model?</p> <p>b) A manufacturer deals exclusively with the production of brake shoes. Currently, the company is trying to decide on an inventory and reorder policy for the brake shoes. A brake shoe costs the company Rs 75 each, and demand is about 5000 brake shoes per year distributed fairly evenly throughout the year. Reordering costs are Rs 800 per order and carrying costs are figured at 20 per cent of the cost of the item. The company is open 300 days a year (6 days a week and closed two weeks in August). The lead time is 40 working days. Find the EOQ, the reorder point, the number of orders per year and total variable costs</p>	<p>(5)</p> <p>(5)</p>

UNIT-IV		
Q8	Explain ABC Analysis and VED Analysis in an inventory management system?	(10)
Q9	a) What are the functions of maintenance department?	(5)
	b) What is the differences between centralized and decentralized maintenance? Enumerate advantages and disadvantages?	(5)