54 Bms Paper / Subject Code: 78509 / Production & Total Quality Management / 26

Q.P. Code: 31195

08

07

Maximum Marks: 75

Q1

Duration:	2 Hours & 30 Minute

Note: 1) All questions are compulsory, Subject to internal choice.

consumer. (Deming / Taguchi / Kepner & Tregor)

2) Figures to the right indicate full marks.

A)	Fill in the Blanks (Any 8)
1)	is the process of transforming raw material into finished goods for
	sale. (Marketing / Production / Packaging)
2)	means determining the shape, standard & pattern of the product.
	(Product Design / Product Process / Product Sale)
3)	
	(Quality / Quantity / Productivity)
4)	ISO stands for organization for Standardisation.
	(Indian / International / Institutional)
5)	- Duckaging of Storing Of Thaterial in ant
	form. (Material Management / Material Handling / Material Procuring)
6)	refers to the quantity ordered to be purchased at the lowest total cost.
	(EOQ / ABC / XYZ)
7)	pertains to planning of the space available for production activities.
	(Plant Layout / Plant Location / Plant Management)
8)	should be aimed at the needs of the customer, present & future.
283	(Quantity / Quality / Productivity)
9)	Under process, 99.99966% of products created are expected to be
	statically free from defects. (Kaizen/Six Sigma/Lean)
0)	defines quality in terms of the social loss, loss to producer &

Q 1 B) Match the Column (Any 7)

	Group A		Group B
1	Process Production	A	Appraisal Cost
2	Batch Production	В	Failure Cost
3	MBNQA	C	Paints & Vehicles
4	Deming Prize	D	Crude Oil & Sugar
5	Cost of Poor Quality	E	Based on Nature of Supplier
6	Cost of Good Quality	F	For American Company
7	L	G	For Japanese Company
8	SDE Analysis	H	Minimize Waste
9	Lean Thinking	I	To change for better
10	Kaizen	J	Based on Problem of Procurement

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Q 2 A)	Define Production Management. Discuss the Components of Production						
	Management.						
B)	Explain the characteristics of a good product design.						
	OR						
C)	Define Six Sigma. Explain the DMAIC & DMADV methodology in brief.						
D)	Discuss in brief procedure for registration for ISO certification.						
Q 3 A)		arious types of Material handling Equipments.			08 07		
B)	Explain the objectives of Materials Management.						
	OR						
C)	Define Quality. Explain the characteristics of Quality.						
D)	Discuss the service dimensions of Quality.						
Q 4 A)		ny 4 Inventory Con	rol Techniques.		08 07		
B)							
<i>C</i>)	OR Explain Taguchi's Quality Engineering.						
C)			THE STATE OF THE S		08 07		
D)) Explain Edward Deming's Philosophy & approach to Quality.						
Q 5 A)	ABC Ltd. Purchases computer chips at the rate of Rs. 50 each. The annual						
~	consumption of chip is 36,000 units. If the ordering cost is Rs.250 per order						
	& carrying cost is 25%p.a., what would be the EOQ and Total Cost?						
	If the supplier offers a discount of 10% for ordering 6,000 units. Per order,						
	do you accept the discount offer?						
B)	Calculate partial & Total Productivity.						
1	Output	1000,000	Raw Material	175,000			
	Labour	150,000	Electricity	50,000			
	Capital	200,000	Other Misc. Exp.	25,000			
			OR				
C)	Write a Short No	AS A ALLE SHE ROLL THE PART OF THE	<i>f</i> -		15		
	1. Quality C						
NATE OF	2. Lean Thir						
	3. Production System4. Deming's Application Prize						
		Fish Bone Diagram					