Regular Exam-2018
SYBAF [Sem-IV]
Sub- PTQM

BMS

02/05/18

Q.P. Code: 31196

Maximum Marks: 75 **Duration: 2 Hours & 30 Minutes**

Note: 1) All questions are compulsory, Subject to internal choice.
2) Figures to the right indicate full marks.

Q 1 A) State Whether the Following Statements are True or False: (Any 8) **08**

1) The location decision falls under long term planning.
2) Construction of Metro rail is project type production.
3) Simplification is opposite to that of diversification.
4) Line layout is also called as product layout.
5) MRP-I is a Materials Planning technique.
6) Materials can be stacked in any manner.
7) TQM requires management to reject change.
8) Productivity and efficiency are same.
9) Purchasing is primarily a clerical activity.
10) ABC analysis is based on the Pareto principle.

Q 1 B) Match the Column (Any 7) **07**

	Group A		Group B
1	Quality Management System	A	Robust Design
2	TQM	B	ISO 9001
3	Environmental Management System	C	Kepner Tregor Methodology
4	Continuous Production	D	Waste of overburden
5	Productivity	E	Customer Focused Organization
6	ABC inventory control	F	ISO 14000
7	General Purpose Machines	G	Mass Production
8	Muri	H	70:20:10 Rule
9	Problem Solving	I	Job Production
10	Taguchi	J	Output/ Input

Q 2 A) Explain the qualities essential for a production manager? **08**

B) What is Plant layout and explain the principles of a good layout? **07**

OR

C) What is Product Design? State the requirements of a good product design? **08**

D) Discuss in brief Material handling Equipment's. **07**

Q 3 A) What is Material management and objectives of it in detail? **08**

B) Explain the various Inventory control techniques in brief? **07**

OR

C) Explain Philip Crosby's Philosophy & approach to Quality. **08**

D) Explain the Ishikawa Fish Bone Diagram. **07**

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Q 4 A) Write a note on ; 08

1. MBNQA 2. Deming's Application Prize

B) What is TQM and explain the key principles of TQM in detail? 07

OR

C) Explain the concept of ISO 9000 along with its registration process? 08

D) Explain the Concept of Six Sigma along with its features? 07

Q 5 A) ABC Ltd. Purchases computer chips at the rate of Rs. 75 each. The annual consumption of chip is 54,000 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 9,000 units. Per order, do you accept the discount offer? 08

B) Calculate partial & Total Productivity. 07

Output	500,000	Raw Material	190,000
Labour	75,000	Electricity	25,000
Capital	100,000	Other Misc. Exp.	10,000

OR

C) Write a Short Notes : (Any 3) 15

1. Importance of productivity
2. Inventory Management
3. DMAIC
4. Quality Circle
5. Production System

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