

- Q.28 What is a control chart? What are its objectives?
 Q.29 What is the role of top management in TQM?
 Explain.
 Q.30 What is Kaizen technique?
 Q.31 Write a short note on Environment Management System (ISO 14000)
 Q.32 Write a short note on Quality Circles. Write its advantages.
 Q.33 What is Ladder and elements of cost?
 Q.34 Define Overheads. Explain different types of overheads?
 Q.35 What are factors Determining consumer behavior in sales?

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 What are Control Charts? Give the classification, objectives and their applications.
 Q.37 What do you understand by production, planning and control? What are the various objectives of PPC?
 Q.38 What are various types of Marketing? Explain each in detail.

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Sub.: Production Engg.

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Productivity can be increased by
 a) By increasing the output from the same input
 b) By reducing the input for the same output
 c) Both (a) & (b)
 d) None of the above
- Q.2 Who invented the Assembly line?
 a) Andrew Carnegie b) Cornelius Vanderbilt
 c) John. D. Rockefeller d) Henry Ford
- Q.3 Which of the following condition is correct at the break - even point?
 a) Total cost is more than the sales revenue
 b) Fixed cost is equal to variable cost
 c) Total cost is equal to sales revenue
 d) Total cost is less than the sales revenue
- Q.4 Cause and effect diagram is also known as _____
 a) Fishbone diagram
 b) Ishikawa diagram
 c) Both Ishikawa diagram and Fishbone diagram
 d) Cause diagram only

- Q.5 Choose the incorrect statement regarding the need for quality
 a) Markets have become more competitive
 b) Quality provides sustained performance
 c) Quality provides customer satisfaction
 d) It is the trend nowadays to introduce quality
- Q.6 In 3-0 quality performance, the probability of producing a conforming product is _____
 a) 0.9973 b) 0.9500
 c) 1 d) 0.9467
- Q.7 Prime cost + Overheads = _____
 a) Total cost b) Cost of Sales
 c) Fixed Cost d) Variable cost
- Q.8 Which of the following cannot be considered a reason for implementing a quality system that conforms to ISO standards?
 a) Improvement in safe working
 b) Increased inspection efforts
 c) Reduction in customer complaints
 d) Decreased inspection efforts
- Q.9 The payment made to the following is cost of indirect labour.
 a) Welder b) Time keeper
 c) Moulder d) Turner
- Q.10 What do you understand by brand loyalty?
 a) Consumer's emotional attachment to the brand
 b) Consumer's social attachment toward the brand
 c) Fulfillment of consumers needs
 d) Feel good factor when using a brand's product

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SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 What is batch production?
 Q.12 Define partial automation.
 Q.13 Define the process of scheduling.
 Q.14 What do you understand by inventory control?
 Q.15 Define remedial inspection.
 Q.16 What is a Pareto chart?
 Q.17 Define variable cost.
 Q.18 Write the difference between sales and marketing.
 Q.19 What is dynamic balancing?
 Q.20 Define quality circle.

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Write the difference between production and productivity.
 Q.22 What is production? Write the types of production and explain anyone.
 Q.23 Write the major problems that occur during balancing of line.
 Q.24 Explain ABC method of inventory control.
 Q.25 What is Gantt chart? How this chart is useful for better management of production?
 Q.26 Enlist any five methods of taking samples.
 Q.27 Name the various types of QC tools? Explain anyone.

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