

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

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