

SECTION-D

Note: Long answer type questions. Attempt any one question out of two questions. (1x10=10)

- Q.19 What are the various system in use for “Predetermined Motion Time Standards”? Explain one most popular amongst them.
- Q.20 Explain the procedure for implementation of Total Quality Management in an organization.

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Roll No.

4th Year / Advance Diploma in Tool and Die Making
Subject : Industrial Engineering

Time : 3 Hrs.

M.M. : 50

SECTION-A

Note: Multiple Choice questions. All questions are compulsory. (5x1=5)

- Q.1 Who is the father of modern Industrial Engineering?
- a) Hasley b) Gantt
c) Gilbreth d) Taylor
- Q.2 Which of the following layout manufactures part in small or medium batches?
- a) Fixed Position Layout
b) Process Layout
c) Mixed Position Layout
d) Product Layout
- Q.3 What is the purpose of Time and Motion study in Industrial Engineering?
- a) Analyzing financial statements
b) Assessing employee satisfaction
c) Evaluating work processes for efficiency
d) Monitoring market trends

- Q.4 What is the primary goal of Value Engineering in Industrial Engineering?
- a) Enhancing the value of products or services while minimizing costs
 - b) Analyzing market trends
 - c) Maximizing production costs
 - d) Increasing workforce size
- Q.5 Among the following network techniques, find the one that follows the activity-oriented approach
- a) CPM
 - b) PERT
 - c) Project
 - d) PERT and Project

SECTION-B

Note: Objective type questions. All questions are compulsory. (5x1=5)

- Q.6 Three types of stopwatches are used in time study experiments. they are _____, _____ and _____
- Q.7 _____ is the method of estimating the quality of the whole products (lot) from the quality of the samples that are drawn from the same lot.
- Q.8 Process Chart was developed by _____
- Q.9 According to ISO, the quality system is the organization structure, responsibilities, procedures, processes, and resources for implementing quality management.
- a) True
 - b) False

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- Q.10 The long-term direction of the organization in which it wants to proceed in the future is known as _____

SECTION-C

Note: Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Define industrial Engineering. Outline the concept of it.
- Q.12 Distinguish between Product Layout and Process Layout in shop.
- Q.13 Define productivity. What are the factors affecting productivity?
- Q.14 What is Multiple Activity Chart? Explain.
- Q.15 “Value Engineering is a very important tool for improvement of productivity”. Elaborate it.
- Q.16 Explain the objective of Network Analysis.
- Q.17 ‘Inspection is a tool for controlling the quality’. Comment on it.
- Q.18 How \bar{X} and R chart help in ensuring quality control.

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