

SECTION-D

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Roll No.

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

Q.19 What do you mean by "Standard Data"? What are its advantages? Also mention the use of Standard Data.

Q.20 Explain the procedure for installation of ISO 9000 Quality System in an organization.

**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 Question are Compulsory. (5x1=5)

Q.1 Which of the following layout produces identical products?

- a) Mixed Position Layout
- b) Fixed Position Layout
- c) Process Layout
- d) Product Layout

Q.2 Which of the following is not a part of method study?

- a) SIMO chart
- b) Stopwatch method
- c) Process charts
- d) Chrono cycle graph

Q.3 Who was the founder of the modern motion study?

- a) Taylor
- b) Smith
- c) Gilbreth
- d) Babbage

- Q.4 How many types of stopwatches are used in the time study?
- a) Three b) Seven
c) One d) Four
- Q.5 Which of the following considers the functions performed or services rendered by a product or component?
- a) Cost value b) Use value
c) Esteem value d) Exchange value

Section-B

Note: Objective Type Questions. All Question are Compulsory. (5x1=5)

- Q.6 Applications of Industrial Engineering is only limited to manufacturing industries. (T/F)
- Q.7 _____, _____ and _____ time estimates are used in PERT?
- Q.8 The inspection carried out at special rooms or cabins that are equipped with highly accurate measuring instruments is known as _____.
- Q.9 According to ISO, Quality is the totality of features and characteristics of a product or service that bear on its ability to satisfy stated and implied needs of the customer
- a) False
b) True

- Q.10 Training conducted to improve the operation and maintenance skills are carried out in the TPM implementation stage of TPM development?
- a) True
b) False

SECTION-C

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

- Q.11 Write down the scope of Industrial Engineering.
- Q.12 What is Plant Layout? Write the various objectives of a good plant layout
- Q.13 Write a short note on measurement of productivity.
- Q.14 What is Cycle graph? Explain.
- Q.15 How can Value Engineering be used to improve product design at reduced cost? What are the typical stages in a job plan.
- Q.16 Briefly explain the differences between PERT and CPM.
- Q.17 What do you understand by Inspection? What is the importance of inspection in a production process?
- Q.18 Define SQC. Discuss practical devices used as tools of SQC in factories.