

Q.14 Write the names of various techniques of work measurement. Explain any two.

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Q.15 Write aims and objectives of value analysis.

4th Year / Advance Diploma in Tool & Die Making

Q.16 Differentiate between PERT and CPM techniques.

Subject:- Industrial Engineering

Q.17 Distinguish between defects and defectives. Explain the construction and operation of a *p* chart.

Time : 3Hrs.

M.M. : 50

Q.18 Explain the TQM principles.

SECTION-A

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

SECTION-D

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

Q.19 Define the concept of standard time. Explain briefly clearly the steps involved in arriving at standard time, starting with observed time.

Q.1 Process layout is best suited for

- a) Batch production
- b) Continuous type of product
- c) Effective utilization of machines
- d) All of the above

Q.20 What is PERTS technique? Explain with a suitable example.

Q.2 Time study is carried out to determine the time required to complete job by

- a) A slow worker b) A fast worker
- c) An average worker d) An apprentice

(40)

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Q.3 Which of the following is true?

- i) Value analysis is a cost reduction technique.
- ii) Value analysis is a cost prevention technique.
- a) i only b) ii only
- c) i and ii d) Neither i nor ii

Q.4 Attribute charts require comparatively _____ sample size.

- a) Very small b) Small
- c) Very big d) Big

Q.5 Pessimistic time is

- a) The average time required for a job
- b) The maximum time which an activity might require
- c) The most probable time considering all conditions
- d) The minimum time in which an activity can possibly be accomplished

SECTION-B

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

- Q.6 System Evaluation
- Q.7 Plant Layout
- Q.8 Work Measurement
- Q.9 Network Analysis
- Q.10 Statistical Quality Control

SECTION-C

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

- Q.11 Explain the contribution of standardization in improving productivity.
- Q.12 Distinguish between job production and batch production.
- Q.13 Enlist various recording techniques used in method study. Explain any two.