

Unit 11 - Week 10

Course outline

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Work Sampling: Basic Concept

Procedure of Work Sampling

Work Sampling: Examples

Introduction to Synthetic Data and PMTS

Introduction to MTM and MOST

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Assignment 10

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-10-09, 23:59 IST.

1) Choose the correct statements about work sampling

1 point

- (I) Normal frequency distribution and confidence levels are associated with the work sampling technique
(II) Accuracy of work sampling is determined by the number of observations
(III) The greater the number of observations, the greater the accuracy and greater the confidence

- I and II
 I and III
 I, II and III
 II and III

No, the answer is incorrect.
Score: 0

Accepted Answers:
I, II and III

2) Method study is defined as the application of statistical techniques to study the work related activities.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

3) In work sampling, the higher the number of observations, the greater the accuracy.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

4) Preliminary work sampling studies show that machine was idle 35% of the time based on a sample of 100 observations. Find the number of observations needed for a confidence level of 95% and an accuracy of $\pm 5\%$. Assume, $K = 1.96$ for 95 % confidence level.

1 point

- 2854
 3854
 4854
 5854

No, the answer is incorrect.
Score: 0

Accepted Answers:
2854

5) The terms commonly used in work sampling are;

1 point

- (I) Precision range
(II) Observation
(III) Individual sampling

- I and III
 I, II and III
 II and III
 I and II

No, the answer is incorrect.
Score: 0

Accepted Answers:
I, II and III

6) Which one of the following is a work measurement technique?

1 point

- Time study
 Cycle graph
 Memo-motion study
 Micro-motion study

No, the answer is incorrect.
Score: 0

Accepted Answers:
Time study

7) 'MOST' can be used for determining the production delays and labour performance index.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

8) Work Sampling is a work measurement technique where observations about work are collected at discrete time intervals, either periodic or random.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

9) Basic MOST is 40 times faster than MTM-1. The statement is;

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

10)The objective of MTM is the establishment of tangible, understandable and acceptable data for the scientific measurement of human comfort.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True