

Control Exam

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1a) Measurements are the use of instrumentation to record a physical quantity such as; pressure, velocity, temperature, or displacement. The result can then be recorded.

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Monitoring is using results taken regularly or continuously to track changes in the resulting values.

b) The two types of error are:

Systematic error: Errors introduced by inaccuracies in the measurement system design or in the experimental methodology.

Random error: Errors introduced to the system via unexpected causes. Due to their nature they must be