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COURSE: MICROBIOLOGICAL QUALITY ASSURANCE

ASSIGNMENT: GIVE 10 DIFFERENCES BETWEEN QUALITY ASSURANCE AND QUALITY CONTROL

ANSWER

1. Quality assurance is a set of activities for ensuring quality in the processes by which products are developed while quality control is a set of activities for ensuring quality in products. The activities focus on identifying defects in the actual products produced.
2. Quality assurance aims to prevent defect with a focus on the process used to make the product. It is a proactive quality process while quality control aims to identify and correct defects in the finished products. Quality control is therefore a reactive process.
3. The goal of quality assurance is to improve development and test processes so that defects do not arise when the product is being developed while the goal of quality control is to identify defects after a product is developed and before its released.
4. Quality assurance is done by establishing a good quality management system and the assessment of its adequacy. Periodic conformance audits of the operations of the system

While quality control is done by finding and eliminating sources of quality problems through tools and equipment so that customers requirements are continually met.

1. Everyone on the team involved in developing the product is responsible for quality assurance while quality control is usually the responsibility of a specific team that tests the product for detects.
2. Example of quality assurance is verification while an example of quality control is validation/software testing.
3. Quality assurance is a managerial tool while quality control is a corrective tool.
4. Quality assurance is a process oriented while quality control is product oriented.
5. Statistical tools and technique can be applied in both quality assurance and quality control. When they are applied to processes(process inputs and parameters).They are called statistical process control (SPC) and it becomes the part of quality assurance but when statistical tools and techniques are applied to finished product (process output), they are called as statistical quality control(SQC) and comes under QC.
6. Quality assurance prevents quality problems through planned and systemic activities including documentation while quality control ensures that the activities or techniques used to achieve and maintain the product quality , process and services.