

## Q1. Define Operations Research ?

Ans.

As the name implies, operations research involves “research on operations”.

*OR is the application of scientific methods, techniques and tools to problems involving the operations of system so as to provide those in control of the operations with optimum solutions to the problem.*

*(Churchmann, Acoff; Annoff, 1957)*

The objective of OR is to give decision-makers a scientific foundation for problem-solving system operation-related issues in order to deliver a solution that is in the organization's best interest.

The solution to the problem is called the problem's optimal solution.

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