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CHEMICAL ENGINEERING

17/ENG01/013

ENG 384: ENGINEERING LAW AND MANAGERIAL ECONOMICS TEST OF 1ST JUNE, 2020

QUESTION 1

- Engineering management is a career that brings together the technological problem-solving ability of engineering and the organizational, administrative, and planning abilities of management in order to oversee the operational performance of complex engineering driven enterprises.
- Engineering management represents the adaptation and application of customary management practices, with the intention of achieving a productive engineering design process. It finds relevance in engineering design teams, whereby the activities, outputs and influences of design teams are planned, guided, monitored and controlled.
- The skills gained from studying economics is essential for conducting engineering projects. Being able to calculate operating and maintenance costs is important in determine what type of materials should be used and why. For financial stability, should an engineer need to pay his/her bills (hydro, internet, garbage, etc...), Economics provides an exposure to the different terminology and problem-solving skills required.
- Engineering Economics help in greater exposure to managing money and resources. Economics is all about the wise allocation and spending of essential resources (especially money) and how and why they are affected over time.
- Engineering Law ensures that an engineer must hold herself or himself to the highest level of moral conduct or suffer litigation if an engineering system fails causing harm to the public including to a maintenance technician.
- Engineering management provides understanding of planning techniques and methods, organization and management of procurement, production, selling and distribution processes, as well as service provision, quality management, projects, resources, operations improvement, operations strategies and innovations.