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Q No 1: what is difference between Ethics and Legality? Explain with example.

⇒ Ethic: Ethics is the word that refers to moral, values, and beliefs of the individuals, family or the society. The word has several meanings. Basically it is an activity and process of inquiry. Secondly, it is different from non-moral problems, when dealing with issues and controversies. Thirdly, ethics refers to a particular set of beliefs, attitudes, and habits of individuals or family or group concerned with morals. Fourth, it is used to mean 'morally correct'.

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Ethics tells us how to live, to respond to issues, through the duties, rights, responsibilities and obligation.

=> Example #1 *) Imagine that one day someone in your organization walks in with a copy of your chief competitor's bid on a big contract.

=> they swear they got it legally, although you are not certain.

=> whether they did or did not, it remains proprietary information.

=> Are you going to use it in developing your bid?

=> Example #2

*) what if someone in sales is up against some very tough quarterly objectives.

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*) but they can be achieved by concealing from a customer that the product being sold will be made obsolete by a new line in six months.

⇒ Legality & "legality" more broadly as, those meaning, source of Authority and cultures practices that are in some sense legal although not necessarily approved or acknowledged by official law. The concept of legality the opportunity to consider "how where and with what effect law is produced in and through common place social interaction. in other word legality is defined as to taking the states role in to account as,

the system of laws and regulation of right and wrong behaviour that are enforceable by the state through the exercise of its policing powers and judicial process, with the threat and use of penalties, including its monopoly on the right to use physical violence.

=> Example: Luis, a candidate for mayor, agreed to pay Sandra, a newspaper reporter, \$1000 to write an article containing false statement that would damage the reputation of Edward, Luis' opponent. Since this agreement required Sandra to commit libel, it is illegal.

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Q No 2: What are the moral values in a engineering environment? Explain with examples.

Ans: Accordingly the service provided by engineers requires honesty, impartiality, fairness and equity, and must be dedicated to the protection of the public health, safety, and welfare. Engineers must perform under a standard of professional behaviour that requires adherence to the highest principles of ethical conduct.

(i) Honesty: it is a facet of moral character that connotes positive and virtuous attributes such as integrity, truthfulness,

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straight forwardness, along with the absence of lying, cheating, theft, etc.

An example of honest is a student admitting they cheated on a test.

(2) Fairness - it is concerned with action, processes and consequences that are morally ~~and~~ right, honorable and equitable. Fair decisions are made in an appropriate manner based on appropriate criteria.

Examples - Treating all people equally and applying reasonable punishments only when rules are broken.

Q No 30, why should we study professional ethics of Engineers? write a short Note.

Ans. because an Engineering is the process of developing an efficient mechanism which quickens and eases the work using limited resources, with the help of technology. Ethics are the principles accepted by the society, which also equate to the moral standard of human being. An Engineer with ethics, can help the society in a better way. Hence the study of ethics in Engineering, where such ethics are implemented in Engineering by the Engineers, is necessary for the good of the society.

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Engineering Ethics is the study of decisions, policies and values that are morally desirable in engineering practice and research.