

## Assignment 1

Programme: MBA (PT)

Course Code (Name): 10800 (Quantitative Techniques)

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**Course Covered** : Entire Course

**Instructions** : Attempt all questions on your own at the first instance. If you cannot do them on your own, you are free to take help of your batch mates or your course instructor. The assignment is to be submitted in *soft form* on or before April 1, 2018 at himadri@cmsdu.org. References must be provided. Follow the Style Guide at cmsdu.org for writing references.

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1. Read the essay “Mathematics and Decision Making” which is available at <http://www.mathaware.org/mam/96/resources/essay96.html>. In the backdrop of the essay, evaluate the importance of software in quantitative decision making.
  2. Write a detailed note on the use of quantitative techniques in the area you work in. For e.g., if you work in the area of insurance, write on the use of quantitative techniques in the insurance industry.
  3. Elaborate about the various indices related to the world of business like the ease of doing business index.
  4. You have heard about exit polls after elections. It is a kind of forecasting. Discuss the use of forecasting techniques in business decision making.
  5. Discuss about the use of Game Theory in business operations.
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- ✓ **Take a bag with you whenever you go shopping to the market. That way, you avoid bringing polybags which ultimately finds its way to the waste basket. These are not bio-degradable and harm the environment.**
  - ✓ **Take the print out of this assignment in a paper which is already used on one side. This can help save paper and associated costs. In fact, make it a habit to always use papers to the optimum. Even envelopes just thrown away can be used to do rough work.**
  - ✓ **Check to see that all electrical appliances are switched off when they are not being used. Switch to LEDs. You can do a lot to save power.**
  - ✓ **Make it fashionable to be environmentally conscious and aware. You can make a real difference to the only place we have to live called EARTH.**
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