**Business Mathematics Study Material for B.Com (H) IIyr Sem 4-30th March to 3rd April 2020**

Dear Students

In the week of 30thMarch to 3rd April 2020 we had to cover the following topics from “Applications of Differentiation”. Kindly go through these topics (from the pages mentioned below from our text book J.K. Thukral “Business Mathematics”) and solve all the examples. I am also attaching with most of the topics the relevant youtube videos (most relevant available video for our topic) which will help you understand the topic well.

1. Concept of Elasticity (pg 7.34 to 7.49) <https://www.youtube.com/watch?v=F_N4ocODNYI>

* Price Elasticity of Demand
* Income Elasticity of Demand
* Price Elasticity of Supply
* Elasticity of Cost

1. Applied Max-Min Problems (pg 7.52 to 7.74)

* Maximisation of Total Revenue <https://www.youtube.com/watch?v=J5ByZAI7OHY>
* Minimisation of Average Cost <https://www.youtube.com/watch?v=4oG7iZKt7L8>
* Maximisation of Total Profit <https://www.youtube.com/watch?v=TC9tLkHU08U>
* Monopoly Problems in Economic Theory
* Optimal Trade in Time

1. Effect of Tax on Monopolist’s Price and Quantity (pg 7.79 to 7.87) <https://www.youtube.com/watch?v=sUJQmJ799xA>
2. Inventory Control (pg.7.89 to 7.97) <https://www.youtube.com/watch?v=O2C-WbqpJnQ>

Thanks and All the Best!

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