**Business Mathematics Study Material for B.Com (H) IIyr Sem 4-23rd to 27th March 2020**

Dear Students

In the week of 23rd to 27th March 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 practice all the related questions. I am also attaching with each topic the relevant youtube videos (most relevant available video for our topic) which will help you understand the topic well.

1. The Derivative as instantaneous Rate of Change (pg 7.2)
2. Increasing and Decreasing Functions (pg 7.3 to 7.5) <https://www.youtube.com/watch?v=8GVvKsoHRt4&t=28s>
3. Concavity and Convexity (pg. 7.5 to 7.9)

<https://www.youtube.com/watch?v=fOVRlvCvU8s>

1. Local Maxima and Minima (pg 7.9 to 7.17) <https://www.youtube.com/watch?v=GIqhSJXalZs>
2. Average Cost and Marginal Cost (pg 7.19 to 7.25) <https://www.youtube.com/watch?v=lLccsntqbnA>
3. Average Revenue and Marginal Revenue (pg 7.25 to 7.29) <https://www.youtube.com/watch?v=lLccsntqbnA> (covered in the same video as in pt.5)
4. Marginal Revenue Product (pg 7.29 to 7.30)
5. Marginal Propensity to Consume (pg 7.30 to 7.31)

Thanks and All the Best!

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