**B. Sc. (P) Physical Sciences IV Sem. (2019-20)**

**Paper : Waves and Optics; UPC : 42224412**

**Dear Students,**

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1. Following links will help you to understand polarization of light waves

<https://youtu.be/6_C8KyU67RU>

<https://youtu.be/wTEIYtivVhM>

2. Following link will explain types of polarization

<https://youtu.be/Eq6NJZfqxfA>

(Study till 14 minutes)

3. Following links explain and demonstrate the concept of Double Refraction

<https://youtu.be/GTp_MwXL1o4>

<https://youtu.be/MoZar-gCj3E>

**I have already shared notes for above mentioned topics with you all last week. I hope these videos may also be of great help to understand these topics.**

4. Following links will help you understand Nicol Prism construction and working (For study material , see attached file of nicol prism)

<https://youtu.be/NuvTQiNYk3U>

<https://youtu.be/5b6MDuU1J8U>

5. Following link explains Quarter and Half wave Plates (For study material, see attached file of Retardation plates)

(\*start the video from 3 minutes)

<https://youtu.be/BnLP8wMpuIQ>

6. Following link demonstrates elliptical and circularly polarized waves and their analysis (For study material, see attached file of production of polarized light)

<https://youtu.be/Iq6QvEDrBg4>