

**B.Sc 5<sup>th</sup> Semester Practical Examination 2021**

**Sub: Physics (General)**

**Paper: 502**

**Time: 5 Hours**

**Full marks: 100**

**Write theory, circuit diagram, data taken in laboratory and discussions of any one of the following practical and submit it in MS words or power point. You may also submit the screen shot from A4 size paper.**

1. To determine the value of 'H' with the help of a deflection and vibration magnetometer.
2. To determine the surface tension of a liquid by capillary rise method.
3. To draw I-D curve for the given prism with the help of a spectrometer and hence find the angle of minimum deviation.
4. To determine the wavelength of sodium light by Newton's ring.
5. To determine the coefficient of linear expansion of a rod by optical lever method.
6. To determine the constant of a ballistic galvanometer by direct method.
7. To draw the characteristic curve of a photo cell and find the maximum velocity of emitted electron

**Please clearly mention the name of examination, year, subject, paper, registration no, code and roll no at the top of your exam script.**

**You should submit the soft copy via email: [examinationbbkc@gmail.com](mailto:examinationbbkc@gmail.com)**