

B.Sc 3<sup>rd</sup> semester examination 2021  
Physics Practical (non cbs)  
Paper 302

20 marks for the lab note book

10 marks for writing the theoretical component of the experiment

20 marks for viva/oral examination

Write theory of any *one* experiment from the followings

- Q. 1. To study the elongation of a wire by different pulling forces using Searle's apparatus and find the value of Young's modulus.
2. To determine the value of  $g$  by bar pendulum.
  3. To determine the specific resistance of the material of the given wire by Meter Bridge and then find the length of wire necessary to construct a one ohm coil.
  4. To determine the resistance per unit of the length of meter bridge wire by Carey-Foster method.