

**Acharya B. N. Seal College, Cooch Behar**  
**Department of Physics**  
**Tender List June, 2018 (Ref.: Notice No. 107/18 dt 22.06.18)**

**Equipments**

Sl. No.	Instruments	Specification
1	Prism	Flint glass
2	Computer (branded/assembled) with complete accessories	DELL/HP 20 C010 IL 19.5 inch (Core I3/4 GB/1TB/INTEL graphics) desktop
4	Computer (branded/assembled) with complete accessories	With superior and inferior configurations as specified against item 2 (desktop)
3	Set-up to determine the coefficient of thermal conductivity of Cu by (i) Searle's apparatus, (ii) Angstrom's method	-
4	Set-up to calibrate a thermocouple to measure temperature in a specified range using (i) Null method, (ii) Direct measurement using OP-AMP difference amplifier and to determine Neutral Temperature	-
5	Half Adder, Full Adder and 4-bit binary Adder	-
6	Half Subtractor, Full Subtractor, Adder-Subtractor using Full Adder I.C.	-
7.	Set-up to show the tunnelling effect in tunnel diode using I-V characteristics	-
8.	Set-up to determine (1) wavelength and (2) angular spread of He-Ne laser using plane diffraction grating	
9.	Set-up to determine charge and current sensitivity, and CDR of ballistic galvanometer	

### Chemical and Glassware

Sl. No.	Items	Specification
1	Mercury	Pure
2	Sucrose	Good quality
3	Spirit (solvent)	For lamp
4	Round bottomed flask for platinum resistance thermometer experiment	With long neck
5	Castor Oil	Pure
6	AgNO <sub>3</sub> (silver nitrate)	Pure