Assets purchased under Star College Scheme

Department: Physics				
Total expenditure during the past three years: 9,98,707/-				
Sr. No.	**Name of the Instrument**	**Quantity**	**Year of Purchase**	**Functional/ Non-functional**
1.	Young's Modulus (optical lever method)	01	2019-20	**Functional**
2.	Elastic Constant by Searle's method	02	2019-20	**Functional**
3.	Thermal conductivity of a non-metallic solid (bad conductor) by Lee's Disc method	01	2019-20	**Functional**
4.	Calorimeter Apparatus	02	2019-20	**Functional**
5.	Thermo Emf Apparatus	01	2019-20	**Functional**
6.	Timer IC 555 App.	01	2019-20	**Functional**
7.	Boltzmann Constant App.	01	2019-20	**Functional**
8.	Half/full Adder App.	01	2019-20	**Functional**
9.	Half/full Subtractor App.	01	2019-20	**Functional**
10.	Flip Flop App.	01	2019-20	**Functional**
11.	JK Master Slave Flip Flop	01	2019-20	**Functional**
12.	4-Bit Counter App.	01	2019-20	**Functional**
13.	Shift Register Kit	01	2019-20	**Functional**
14.	Logic Gate App.	01	2019-20	**Functional**
15.	Microcontroller Kit 8051	01	2019-20	**Functional**
16.	Thermal conductivity by Searle's Method	01	2019-20	**Functional**
17.	Hydrogen Spectrum App.	01	2019-20	**Functional**
18.	BH- Curve apparatus with CRO	01	2019-20	**Functional**
19.	Diode Clipper/Clamper with CRO	01	2019-20	**Functional**
20.	Boolean Expression App.	01	2019-20	**Functional**
21.	Free Fall Apparatus	02	2019-20	**Functional**
22.	Linear Air Track with Digital Timer	01	2019-20	**Functional**
23.	Vande Graff Generator Kit (Hands on Kit)	02	2019-20	**Functional**
24.	Timing Ball Apparatus(Hands on Kit)	02	2019-20	**Functional**
25.	Four probe-Resistivity Method	01	2019-20	**Functional**
26.	Photoconductivity Experiment Kit	01	2019-20	**Functional**
27.	Analog Apparatus Kit (Hands on Kit)	01	2019-20	**Functional**
28.	Stefan's Apparatus	01	2019-20	**Functional**
29.	Diode Laser Diffraction Experiment	01	2019-20	**Functional**

30.	Advanced Ring Launcher (Hands on Kit)	02	2019-20	**Functional**
31.	Melde's App.	02	2020-21	**Functional**
32.	Maxwell Needle Apparatus	02	2020-21	**Functional**
33.	Spring Constant Apparatus	01	2020-21	**Functional**
34.	De-Sauty Bridge	01	2020-21	**Functional**
35.	Anderson Bridge	01	2020-21	**Functional**
36.	Fresnel Biprism (with advanced optical Bench)	01	2020-21	**Functional**
37.	Planck's Constant Apparatus	02	2020-21	**Functional**
38.	High Resistance by leakage method (Ballistic Galvanometer Apparatus)	02	2020-21	**Functional**
39.	Analog to digital convertor (ADC)	02	2020-21	**Functional**
40.	Digital to analog convertor (DAC)	02	2020-21	**Functional**
41.	Network Theorem Apparatus	02	2020-21	**Functional**
42.	Hall Effect Apparatus	01	2020-21	**Functional**
43.	Refrigerator	01	2020-21	**Functional**
44.	8051 Microcontroller Kit	01	2020-21	**Functional**
45.	Transformer for Sodium Lamp	01	2020-21	**Functional**
46.	Mercury lamp with wooden box and choke	01	2020-21	**Functional**
47.	Heater	01	2020-21	**Functional**
48.	Solder Iron 25W	01	2020-21	**Functional**
49.	Variable G pendulum	02	2020-21	**Functional**
50.	Tunnel Diode	02	2020-21	**Functional**
51.	He-Ne Laser	01	2020-21	**Functional**
52.	Analog Apparatus Kit	01	2020-21	**Functional**
53.	Geiger Counting System(Microcontroller based) (Research model)	02	2020-21	**Functional**
54.	1" wide end window GM detector	02	2020-21	**Functional**
55.	Sliding bench with detector holder and source holder for GM 125 detector	02	2020-21	**Functional**
56.	Aluminium Absorber Set (for beta particle range and max energy determination experiment)	01	2020-21	**Functional**
57.	Lead and Copper absorber set	02	2020-21	**Functional**
58.	Adapter for GM counting system	01	2020-21	**Functional**
59.	Radioactive source kit (One gamma source i.e. Cs-137 & one beta source i.e. Tl-204)	01	2020-21	**Functional**
60.	Gamma reference Standard Set	01	2020-21	**Functional**

	(consists of 5 gamma disc sources(Ba-133, Cs-137, Co-57, Co-60 and Na-22 and one dummy source)			
61.	Beta Reference Set (box containing 4 beta disc sources and one dummy source i.e. Co-60, Sr-90, Pm-147, Tl-204)	01	2020-21	**Functional**
62.	Beta source Type Sr90	01	2020-21	**Functional**
63.	Four probe –Resistivity Measurement (SK012)	01	2020-21	**Functional**