

# **Summary of Equipment/chemicals/glassgoods**

## **1. Department of Physical Education-Sports equipment**

- Weight machine
- Grip Dynamometer
- Back and leg dynamometer
- Medicine ball
- Football
- Volley ball
- Measuring Tape
- Marking Lime
- Whistle(Fok 40)
- Stapler/Clapper
- Air pump

## **2. Department of Music-**

- Manual Tanpura

## **3. Department of Mathematics-**

- Computers:i3 Windows10,4GB RAM,19.5LED/LCD display with wiFi receiver (**Reputed brands only**)
- White Boards (Give rate in sqft)-Reputed brands
- Pen drive- 4 GB

## **4. Department of Nutrition: Rate cutting for chemicals and glass goods of reputed brands (Sigma, Mark, Nice, Loba, Himedia, Borosil etc.):Mention % discount offered without GST**

- Weighing machine
- Spirit lamps
- Stethoscope
- Sphygmomanometer
- Digital Colorimeter
- Digital pH meter
- Student Microscope
- Bionocular Microscope
- Digital Balance, Rough Balance

## **5. Department of Chemistry- Rate cutting for chemicals and glass goods of reputed brands and whatman filter paper (Sigma, Mark, Nice, Loba, Himedia, Borosil etc.): Mention % discount offered without GST**

- Hot air oven
- Ninhydrin spray chamber
- Polarimetric lamp-sodium lamp

- Viscometer
- Stalagometer

**Format for Rate Cutting of Chemicals and Glass goods for the session 2018-2019**

Sl. No.	Company Name	Discount given by different Suppliers [%]			
1	Sigma Aldrich				
2	Merck [India]				
3	Merck[Germany]				
4	SRL-A				
5	SRL-B				
6	SRL-C,D,E				
7	SD-Fine				
8	Loba Chemicals				
9	Hi-media Chemicals				
10	Hi-media Media				
11	Thermo-Fisher				
12	Qualigen				
13	Rankem				
14	Nice Chemicals				
15	Spectrochem Chemicals				
16	Thermo-Fisher Enzyme				
17	CDH				
18	Titan Biotech Chemicals				
<b>GLASSGOODS</b>					
1	Borosil®				
2	Borosilicate Glass				
3	Tarsons Plasticware				
4	Polylab Plasticware				
5	Whatman Filter Paper				
6	Titan Biotech Med				
7	Plastx Lab				

6. **Department of Physics:** Attached list from department

1. To Determine the Coefficient of thermal Conductivity of Cu by Searle's Apparatus.
2. To Determine the Coefficient of thermal Conductivity of Cu by Angstrom's method.
3. To determine Mechanical Equivalent of Heat By Callender and Barnes constant flow method.
4. To determine the Temperature Co-efficient of Resistance by Platinum Resistance Thermometer(PRT).
5. To study the variation of Thermo-Emf of a Thermocouple with difference of temperature of its two Junctions.
6. Cathod Ray Oscilloscope.
7. Multimeter for testing Diode and transistor (Two pieces).
8. Trainer Kits (Three pieces)
9. Ics- OR Gate (Two and Three input both)  
AND Gate (Two and Three input both)  
NOT Gate  
NAND Gate (Two and Three input both)  
XOR Gate  
Full Adder Ics  
D-type/JK Flip Flop Ics  
Timer Ics  
OP-AMP Ics  
7476 ICs
10. Various type of resistances and capacitors.
11. Diode and zener diode.

**12. Two good configuration computers (Reputed brands only)**

**List of practical for 3 rd year Honours:**

1. Spectro Meter table.
2. Anderson bridge.
3. To study the intensity distribution of grating pattern by Laser and LDR.
4. Balastic and spot Galvanometers.

**List of practical for 3 rd SEM Generic Elective:**

1. To measure the Magnetic susceptibility of solid.
2. To determine the coupling Coefficient of a piezoelectric crystal.
3. To determine the Dielectric Constant of a dielectric materials with frequency.
4. To determine the refractive index of a dielectric layer using SPR.

5. To study the PE Hysteresis loop of a Ferroelectric Crystal.
6. To study the BH curve of iron using a solenoid and determine the energy loss.
7. To measure the resistivity of a semiconductor (Ge) crystal with temperature by four-probe method and determine its band gap.
8. To determine the Hall coefficient of a semiconductor sample.

**List of practical for 3 rd SEM Honours:**

1. Regulated Power Supply

- a. 0-30 volt /5 amp
- b. 0-6 voltvol
- c. 0-10 volt
- d. 0-15 volt
- +/-12 volt

2. Digital Meters

- a. 0-2 volt DC
- b. 0-20 Volt Dc
- c. 0-200 microamps
- d. 0-20 mA
- e. 0-200 mA

3. Hot plate -3 Pieces

4. Prism -2 Pieces

5. Grating -2Pieces

6. Spirit level

**7. Department of Geography:**

1. Prismatic compass
2. Dumpy level
3. Soil kit
4. Hygrometer
5. **Repairing of instruments**
6. White Boards (Give rate in sqft)-Reputed brands
7. Computers:i3 Windows10,4GB RAM,19.5LED/LCD display with wiFi receiver (**Reputed brands only**)
8. White Boards (Give rate in sqft)-Reputed brands
9. Pen drive- 4 GB
- 10.Remote sensing and GIS software (21<sup>st</sup> century GIS and TNT software)
- 11.Satellite imagery
- 12.Topo sheet

13. Stereoscope (Pocket and large both)

14. Geometric ruler's, compass, protector

**8. General:**

- **Computers: Core i3 7100/4GB RAM/1TB HDD/onboard graphics/18.5 LED monitor (Reputed brands only)**
- **UPS 600VA, 2 KVA online**
- **Networking system for 8 terminals**
- **AC –Split/Window:1.5 and 2 ton of reputed brands**
- **Pendrive**
- **White board (Give rate in sqft)-Reputed brands**

**Sd/-**

**Dr. Rupa Dasgupta**

**Principal**

**Debra Thana S K S Mahavidyalaya**