



Ph.: 06337-255785

SHEODENI SAO COLLEGE, KALER

Sohsa, Arwal - 824127 (Bihar)
(A Constituent unit of Magadh University, Bodh-Gaya)

NAAC ACCREDITED, MODEL COLLEGE

Office of the Principal

Ref. 44/S.D.S/24

Date 23/02/24

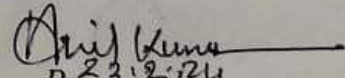
TENDER INVITATION NOTICE

As per the direction of the University vide letter No. Bud/52/2024 dated 05 Feb 2024, it has been decided by the concerned authorities to procure necessary equipment and other items for various departments of the college. In this regard, Sealed quotations are invited from reputed and experienced Contractors / Service Providers, who are registered in Govt. of Bihar Eproc2.0 portal and willing to undertake the assignment. The list of items with specifications and other details can be ascertained from the college during working hours and from the college website <https://www.sheodenisaocollege.ac.in/>

Interested and eligible firms are requested to submit their quotation to the undersigned within 15 days from the date of Notice.

The undersigned reserves all the rights to reject any or all the tenders without assigning any reason thereof.

Date : February, 2024


Principal

Sheodeni Sao College
Kaler, Arwal

Principal
S.D.S. COLLEGE
Kaler (Arwal)

List of items to be supply (Botany)

Sl. No.	Name of Item
1	Laboratory Stirrer
2	Magnetic Stirrer
3	Hot Plate
4	Shacking Machine
5	Rotary Shaker
6	Vortex Shaker
7	Pipette Washer
8	Laboratory Centrifuge
9	Compound Microscope two objective and two eye pc.
10	Dissecting Microscope
11	Dissecting Box
12	Botanical Tray
13	Hot Air Oven
14	Autoclave
15	Serological Water Bath
16	Slide Cabinet
17	Auxanometer App.
18	Clinostat App.
19	Vacuum Oven
20	Forceps Large (Blunt End)
21	Forceps Small (Pointed)
22	Scissor Large
23	Scissor Small
24	Needle Pointed Head
25	Needle Arrow Head
26	Brush Razor
27	Blow Pipe
28	Sprit Lamp
29	Scalpel Large
30	Scalpel Small
31	Test Tube Stand
32	Test Tube Large
33	Test Tube Medium
34	Dropper Glass
35	Dropping Bottle
36	Watch Glass 4"
37	Petri Dish (Glass)
38	Petri Dish (Plastic)
39	Plane Slide
40	Cover Glass
41	Glass Tube 3"/4"
42	Glass Rod
43	Measuring Cylinder - 250ml.
44	Measuring Cylinder - 500ml.
45	Measuring Cylinder - 1000ml.
46	Conical Flask - 250ml.
47	Conical Flask - 500ml.

1. DNA Isolation Kit (Insect DNA)
2. ~~RC DNA Sequencing kit~~
3. Ethidium Bromide
4. TAE Buffer
5. ~~RT kit~~

5. EDTA
6. yeast extract
7. Taq polymerase
8. Leptone
9. Dextrose

10. Agar
11. Ampicillin

- Sakul
9/2/22

List of items to be supply (Zoology)

Sl. No.	Name of Item
1	Compound Microscope two objective and two eye pc, Olympus
2	Dissecting Microscope, Olympus
3	Dissecting Box
4	Glucometer, Best Quality
5	Haemometer
6	Pipette Washer, Ajanta
7	Vertical Autoclave, Ajanta
8	Blood Pressure Apparatus, Diamond
9	Stethoscope, Best Quality
10	Hot Air Oven, Ajanta
11	Slide Cabinet, Ajanta
12	Serological Water Bath, Ajanta
13	Dissecting Tray
14	Staining Rack
15	Vacuum Oven, Ajanta
16	Dropping Bottle T.K. type 60ml., Borosilicate
17	Dropping Bottle with Rubber teat, Borosilicate
18	Reagent Bottle- 125ml., Borosilicate
19	Reagent Bottle- 250ml., Borosilicate
20	Reagent Bottle- 500ml., Borosilicate
21	Beaker- 100ml., Borosilicate
22	Beaker- 250ml., Borosilicate
23	Beaker- 500ml., Borosilicate
24	Beaker- 1000ml., Borosilicate
25	Measuring Cylinder- 250ml., Borosilicate
26	Measuring Cylinder- 500ml., Borosilicate
27	Measuring Cylinder- 1000ml., Borosilicate
28	Pipette Volumetric- 10ml., Borosilicate
29	Pipette Volumetric- 20ml., Borosilicate
30	Pipette Volumetric- 25ml., Borosilicate
31	Test tube hard glass 15x125, Borosilicate
32	Test tube hard glass 15x150, Borosilicate
33	Test tube hard glass 25x150, Borosilicate
34	Test tube Stand, Fiver
35	Test tube holder
36	Camel hair brush
37	Human Skeleton System, Skeleton
38	Bones of Rabbit, Skeleton
39	Bones of Frog, Skeleton
40	Skeleton of Varanus
41	Skeleton of Aves
42	Pit viper, Skeleton
43	Zoology Model
44	Zoology Specimen
45	Permanent Slide
46	Zoological Charts
47	Ammonium Hydroxide- 500ml, Nice/CDH/Molkem/Merk
48	Aniline- 500ml, Nice/CDH/Molkem/Merk
49	Acetocarmine Stain- 125ml, Nice/CDH/Molkem/Merk

1. Induction (Philips, 1800W)
2. ~~DNA Isolation Kit~~
2. PCR Machine (Thermocycler)
3. SDS (Sodium Dodecyl Sulfate)
4. Phosphate Buffer Saline (PBS)

5. BPS Iron chelator
(kathophenanthroline-
disulfonate) → Reagent
6. Hexane — $\frac{\text{Rohit}}{9/2/24}$

SDS college, Kalu
DEPARTMENT OF CHEMISTRY

1. Stalogrameter - 4 Pc
2. Viscometer - 4 Pc.
- ~~3. UV spectro~~
3. UV visible spectrophotometer - 1
4. Hot air Blower - 1
5. Distilled water Plant - 1
6. Double distillation kit - 1.

CHANGE

Fluorimeter is changed to ^{Ion} Fluoridometer
- Orion company.

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12/02/24

Teacher's Signature :

The theory involved in the prescribed practical should be discussed in class and student should be made familiar with associated concepts.

At least 6 experiments must be performed-

Elementary measuring apparatus – Use of Vernier calliper, Screw gauge
Spherometer.

To determine least Count of (i) Travelling Microscope (ii) Spectrometer
(iii) Polarizer.

To Evaluate value of “g” using Bar Pendulum

To Evaluate value of “g” using Kater’s Pendulum

To Verify Conservation of linear Momentum using curved track apparatus.

To Determine Young’s modulus of Elasticity by Flexure of Beam

To Determine Elastic constants for the material of a wire by Searle’s method

To Determine Surface Tension by method of ripples/use of Capillary tube

To Determine Co-efficient of Viscosity of liquid by Stokes method/Pois
method of flow of water through Capillary.

To study the motion of spring-mass system and to evaluate spring constant/
‘g’.

To evaluate average error, standard deviation, and percentage error in measure
focal length of a concave mirror/Convex lens.

... should be just as Mock test and it must be on the

Oscillations and Waves

The theory involved in the prescribed practical should be discussed in class and students should be made familiar with associated concepts.

At least 6 experiments must be performed:-

- 1- To determine frequency of Tuning Fork using Sonometer / verify laws of transverse vibration of stretched string
- 2- To determine frequency of Tuning Fork using Electrically maintained Melde's apparatus.
- 3- To determine the frequency of A. C. Mains using a sonometer and an electromagnet.
- 4- To Find the Speed of sound in the materials of given rod with a Kundt's tube / Quincke's tube.
- 5- To determine Speed of Ultrasonic waves in any given liquid (e.g. Kerosene)
- 6- To study motion of Spring - Mass System.
- 7- To study the directional characteristic of Microphone using signal Generator, Amplifier, microphone, multimedia & C. R. O.
- 8- To determine the damping constant, relaxation time and quality factor of damped mechanical oscillator using simple Pendulum with bobs of different material (Aluminium, Brass, Wood etc.)
- 9- To determine torsional constant using Torsional Pendulum.
- 10- To determine speed of sound using Resonance column Apparatus.

The CIA examination in Practical should be just as Mock test and it must be on the Pattern of proper 3hrs End- semester Examination.

Sl. No.	Component	CIA	End- Semester
	Component Allotted	15	45
		05	10
			15