

# UNION CHRISTIAN COLLEGE

(Affiliated to Mahatma Gandhi University, Kottayam)  
Reaccredited with A Grade by NAAC  
Website: [uccollege.edu.in](http://uccollege.edu.in)  
E-mail: [ucc@uccollege.edu.in](mailto:ucc@uccollege.edu.in)

Post Box : 5  
ALUVA- 683 102  
Ernakulam Dist, Kerala  
Fax: 2607534, 2609194  
2604003, 2609194

## TENDER NOTICE

01/04/2022

Tender No : 1/22/PD-Lab- Chemistry, Botany, Zoology, Physics, Psychology and Computer Science

Department: **Union Christian College, Aluva-2**

Sealed tenders are invited for the supply for the following materials chemicals and glassware for the Various Departments in U C College Aluva and repair/servicing of equipments/computers.

### LIST Separately attached

The envelopes containing the tender should bear the superscription "P D Account Tender, Department of Chemistry, Botany, Zoology, Physics, Psychology and Computer Science in Union Christian College, Aluva and should be addressed to THE PRINCIPAL, UNION CHRISTIAN COLLEGE, ALUVA 2

Last date for receipt of sealed tenders will be **19/04/2022**, 3.00 pm. Late tenders will not be accepted. The details regarding the same is available in the college website .

The tenders will be opened at **3.30 pm** on **19/04/2022** in the presence of tenderers or their authorized representatives who may be present at that time.

Intending tenderers may, on application to the THE PRINCIPAL., UNION CHRISTIAN COLLEGE, ALUVA-2 obtain the requisite tender forms on which tenders should be submitted.

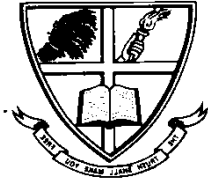
Application for the tender form should be accompanied by a cash remittance of 0.2% of the quoted amount (minimum Rs 500/-)(+ 12% GST ) which is the price fixed for a form/set of forms and which is not refundable under any circumstances. The tender forms are not transferable.

Sale of tender forms will be closed at 2 pm on **19/04/2022**. Cheques, postage stamps, etc., will not be accepted towards the cost of forms, nor will the forms be sent per V.P.P. Duplicate tender forms, if required will be issued at Rs.200 per copy.

An agreement has to be executed by you in the prescribed form on stamp paper of value Rs.200/- purchased in the Kerala state as per store Purchase Manual 2013 along with the sealed tender.

Place: Aluva  
Date: 01/04/2022

THE PRINCIPAL,  
UNION CHRISTIAN COLLEGE,  
ALUVA 2



# UNION CHRISTIAN COLLEGE

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Website: [uccollege.edu.in](http://uccollege.edu.in)  
E-mail: [ucc@uccollege.edu.in](mailto:ucc@uccollege.edu.in)

Post Box : 5  
ALUVA- 683 102  
Ernakulam Dist, Kerala  
Fax: 2607534, 2609194  
☎ 2604003, 2609194

## TENDER FORMAT

Tender No..... supply of materials for The Department of Chemistry, Botany, Zoology , Physics, Psychology and Computer Science in U C College , Aluva	
Union Christian College, Aluva-2	
Due date and time for receipt of tender	19/04/2022, 3.00PM
Date and time for opening of tender	19/04/2022, 3.30PM
Date up to which the rates are to be firm	<b>01/07/2022</b>
Price of tender form	0.2% of quoted amount (minimum Rs.500/- + 12% GST)
Price of duplicate copy	Rs.200
Address of Officer from whom tender forms are to be obtained and to whom tenders are to be sent:	THE PRINCIPAL UNION CHRISTIAN COLLEGE, ALUVA 2

Whether samples essential: No

Period within which goods should be delivered: **Two weeks after the receipt of Order**

Rates should be quoted for delivery at: **Union Christian College, Aluva - 2**

Other special conditions: Price should be inclusive of taxes and transportation

Place:

Date:

Name & Address of Tenderer:

Signature:

## TERMS AND CONDITIONS

1. The latest model shall be quoted and certified.
2. The quoted price should include cost of the instrument, freight, insurance, customs duty, clearance charges, entry tax (if applicable at the time of installation), installation and commissioning.
3. Payment terms: Payment through Kerala Government treasury cheque only at Aluva.
4. The amount quoted should be inclusive of all taxes and other charges.
5. Customs duty percentage and the CIF price on which it is based should be clearly specified in the tender and if the customs duty exemption certificate is secured the corresponding amount will be deducted from the bill.
6. The tenderers should verify and make sure that the claims made by them against items towards Sales tax, customs duty, excise duty etc., are not more than those permissible under the provisions of the laws in force, and that they will refund any excess claims admitted in this respect.
7. The offers should be kept open for a period of four months from the date of opening tenders. Acceptance of the offers will be intimated to the successful tenderers within that period. Tenderers will however, be given the option to keep their offers open for a further agreed period if there be any delay in intimating the acceptance.
8. The installation should be done by the supplier free of cost .
9. Delivery period: The equipment and its accessories should be completely supplied, installed and commissioned to the satisfaction of the Department of Physics within 45 days from the date of supply order or date of L/C whichever is later.
10. Warranty: The entire equipment and its accessories should have comprehensive **warranty of two years** from the date of acceptance by the end user. If any spares are to be imported during warranty period, the cost, insurance, freight, customs duty and clearance charges should be given by the vendor.
11. The rates of terms of AMC (both comprehensive and labour) for a minimum period of three years after the warranty period shall be clearly specified. Both comprehensive and labour AMC amounts will be taken into consideration for final selection.
12. During warranty and AMC period, the vendor shall give an uptime guarantee of 95% or more.
13. Training: In order to fully and optimally utilize the equipment, necessary on site training should be given to the Physics department staff free of cost
14. List of installations in Kerala over the past three years shall be provided.
15. Number of trained engineers available in Kerala and nearest service station shall be mentioned.
16. Wherever options are called for in respect of specifications, the tenderer should induct all such options.
17. We are exempted (regd. with DSIR) from payment of customs and excise duty for our procurement and hence prices quoted should be exclusive of these. Prices inclusive of ST and other taxes and installation charges, if any, may be indicated. We shall provide the necessary forms and certificates as required.
18. The exact specifications, details of make, model number, name of manufacturer etc., of the equipment offered must be clearly specified. Copies of detailed technical literature and illustrated brochures of the units quoted are to be included along with the offer. Offers without these are liable to be rejected. List of users giving the exact address of the contact persons and the model number of the units available at these locations have to be provided.
19. Instrument operating manuals have to be provided along with the supply.
20. Evidence of exclusive/authorized distributorship from foreign principals should be

provided along with the offers for overseas products.

21. Period of firmness of the quoted prices should be clearly stated in the offer.
22. The undersigned reserves the authority to accept or reject any or all of the offers for any particular item without assigning any reason whatsoever.
23. All the rules and regulation applicable to Government tenders will be applicable to this tender also.
24. The tenderer must give an agreement on a stamp paper worth Rs.200/-.
25. The following declaration should be given by the tenderer while submitting the tender:

**Declaration**

(a) I/we have downloaded the tender form from the internet site [www.uccollege.edu.in](http://www.uccollege.edu.in) and I/ we have not tampered / modified the tender forms in any manner. In case, if the same is found to be tampered / modified I/we understand that my/our tender will be summarily rejected and full earnest money deposit will be forfeited and the contract will be terminated at my/ our risk and cost.

(b) I/we am/are submitting a demand draft no. \_\_\_\_\_ dated \_\_ issued by \_\_\_\_\_ for Rs. \_\_\_\_\_ / paying Rs \_\_\_\_\_ towards the cost of tender form.

Signature of Tenderer:

Date:

Address:

(Seal)

**UNION CHRISTIAN COLLEGE,  
ALUVA  
PIN 683 102, KERALA**

**TENDER NOTICE**

No.01/22/PD/Lab

Sealed tenders are invited for  
(1) the purchase of chemicals, glass  
wares and equipments; and  
(2) repair /servicing of computers of  
various departments in Union  
Christian College, Aluva.

For details visit:  
[www.uccollege.edu.in/tenders](http://www.uccollege.edu.in/tenders)

sd/-  
PRINCIPAL

**Chemicals/ Glass ware/ Equipment requirements from Chemistry  
Department 2021-2022**

Particulars	Brand	Pack
ACETANILIDE	NICE	250 GM
ACETONE	Any Brand	25L
ACETOPHENONE	NICE	500 ML
HYDROCHLORIC ACID 35% EMPLURA	MERCK	2.5 LTR
HYDROCHLORIC ACID COMMERCIAL	Any Brand	
NITRIC ACID	Any Brand	50Kg
SULPHURIC ACID COMMERCIAL	Any Brand	50Kg
ALIZARIN RED S	NICE	10G
ALU. FLUORIDE	Any Brand	500 GM
ALU. NITRATE	NICE	500 GM
ALU. SULPHATE	NICE	500 GM
ALUMINON REAGENT	Any Brand	
4,AMINOPHENOL (P-AMINOPHENOL) 99%	NICE	100GM
2,AMINOPHENOL (O-AMINOPHENOL) 99%	NICE	100GM
AMMO. SOLU. AR SP.0.91	NICE	2.5 LTR
AMMO. CARBONATE	NICE	500 GM
AMMO. ACETATE 96%	NICE	500 GM
AMMO. BORATE	NICE	250 GM
AMMO. CERIC NITRATE	NICE	100 GM
AMMO. CHLORIDE AR	NICE	250 GM
AMMO. CHLORIDE 99%	NICE	500 GM
AMMO. FLUORIDE	NICE	250 GM
AMMO. NICKEL SULPHATE	NICE	250 GM
AMMO. OXALATE	NICE	500 GM
AMMO. PURPURATE(MUREXIDE)	NICE	5 GM
AMMO. SULPHATE	NICE	500 GM
AMMO. SULPHIDE SOLUTION (YELLOW)	NICE	500 ML
AMMO. FERRIC SULPHATE AR	NICE	500 GM
AMMO. IRON (II) SULFATE HEXA HYD. EMPLURA	MERCK	500 GM
AMMO. FERROUS SULPHATE	NICE	500 GM
AMMO. FERRIC SULPHATE DODECAHYDRATE EMPLURA	MERCK	500 GM
AMYL ALCOHOL ISO	NICE	500ML
AMM.PHOSPHATE	NICE	500 GM
AMMO. THIOCYANATE	NICE	250 GM
AMMO.MOLYBDATE	NICE	250 GM
ANILINE	NICE	500 ML
ANTHRACENE 99%	NICE	100 GM
N-PHENYL ANTHRANILIC ACID	NICE	25G
ANTHRANILIC ACID	NICE	500G
BARIUM ACETATE	NICE	500G
BARIUM CHLORIDE AR	NICE	500 GM

<b>BARIUM FLURIDE</b>	<b>NICE</b>	<b>500 GM</b>
<b>BARIUM NITRATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>BARIUM OXALATE</b>	<b>Any Brand</b>	<b>500 GM</b>
<b>BENZALDEHYDE</b>	<b>NICE</b>	<b>500 ML</b>
<b>BENZAMIDE</b>	<b>NICE</b>	<b>250G</b>
<b>BENZENE</b>	<b>Any Brand</b>	<b>500 ML</b>
<b>BIPHEYL (DIPHENYL)</b>	<b>NICE</b>	<b>500 GM</b>
<b>BENZOPHENONE</b>	<b>NICE</b>	<b>250 GM</b>
<b>BENZIL 99%</b>	<b>NICE</b>	<b>250 GM</b>
<b>BENZOIC ACID</b>	<b>NICE</b>	<b>250 GM</b>
<b>BENZOYL CHLORIDE</b>	<b>NICE</b>	<b>500 ML</b>
<b>BENZYL ALCOHOL</b>	<b>NICE</b>	<b>500 ML</b>
<b>BENZIDINE REAGENT</b>	<b>NICE</b>	
<b>BROMINE</b>	<b>Any Brand</b>	
<b>BUTANOL</b>	<b>Any Brand</b>	<b>500 ML</b>
<b>BIPHEYL (DIPHENYL)</b>	<b>NICE</b>	<b>100 GM</b>
<b>BENZOPINACOL</b>	<b>Any Brand</b>	<b>100 GM</b>
<b>CAL. ACETATE</b>	<b>Any Brand</b>	<b>500GM</b>
<b>CAL. CHLORIDE DIHYDRATE LR</b>	<b>NICE</b>	<b>500 GM</b>
<b>CAL. FLUORIDE</b>	<b>NICE</b>	<b>500 GM</b>
<b>CAL. HYDROXIDE</b>	<b>NICE</b>	<b>500 GM</b>
<b>CAL. NITRATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>CAL. OXALATE</b>	<b>Any Brand</b>	<b>500GM</b>
<b>CARBON TETRA CHLORIDE FS</b>	<b>Any Brand</b>	
<b>CHARCOAL ACTIVATED</b>	<b>NICE</b>	<b>250 GM</b>
<b>CHLOROBENZENE</b>	<b>NICE</b>	<b>500 ML</b>
<b>2,CHLOROANILINE</b>	<b>NICE</b>	<b>250 ML</b>
<b>4,CHLOROANILINE 98%</b>	<b>NICE</b>	<b>250GM</b>
<b>CINNAMIC ACID</b>	<b>NICE</b>	<b>250 GM</b>
<b>COBALT CHLORIDE</b>	<b>NICE</b>	<b>100 GM</b>
<b>COBALT NITRATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>COPPER NITRATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>COPPER SULPHATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>COPPER METAL TURNINGS</b>	<b>NICE</b>	<b>100 GM</b>
<b>COPPER FOIL (10X10CM, THICKNESS 0.1MM)</b>	<b>NICE</b>	<b>100 GM</b>
<b>COPPER ACETATE (CUPRIC ACETATE)</b>	<b>NICE</b>	<b>250 GM</b>
<b>DICHLORO METHANE (METHYLENE CHLORIDE)</b>	<b>NICE</b>	<b>500 ML</b>
<b>DIMETHYL GLYOXIME</b>	<b>NICE</b>	<b>100 GM</b>
<b>DI SOD. HYD. PHOSPHATE ANHY.</b>	<b>NICE</b>	<b>500 GM</b>
<b>2, 4-DINITROPHENYL HYDRAZINE</b>	<b>NICE</b>	<b>100 GM</b>
<b>DIPHENYL ANILINE</b>	<b>NICE</b>	<b>500 GM</b>
<b>DIPHENYL CARBAZIDE</b>	<b>NICE</b>	<b>500 GM</b>
<b>DIGLYME</b>	<b>Any Brand</b>	<b>100 mL</b>
<b>DITHIONE</b>	<b>Any Brand</b>	
<b>ETHYL ACETATE</b>	<b>NICE</b>	<b>2.5 LTR</b>
<b>ETHYL ACETOACETATE</b>	<b>Any Brand</b>	<b>500 ML</b>

E.D.T.A DI SOD. SALT	NICE	500 GM
ERIOCHROME BLACK T POWDER	NICE	25 GM
ETHYL BENZOATE	NICE	500 ML
ETHYLENE DIAMINE	NICE	500 ML
FERRIC CHLORIDE ANHYDROUS 96%	NICE	500 GM
FERROUS SULPHATE	NICE	500 GM
FERROUS SULPHIDE STICKS	Any Brand	1 KG
DEXTROSE ANHY. (D-Glucose)	NICE	500 GM
HEXANE	NICE	2.5 LTR
HEXAMINE	NICE	500 GM
HYDROGEN PEROXIDE 30% (100 VOL.)	NICE	500 ML
HYDRAZINE HYDROCHLORIDE	Any Brand	100g
HYDROXYLAMINE HYDROCHLORIDE	NICE	100 GM
HYDROXYLAMMONIUM CHLORIDE 98%	NICE	100 GM
5-HYDROXY METHYL FURFURAL	Any Brand	
IODINE	Any Brand	
LANTHANUM NITRATE	Any Brand	
LITHIUM NITRATE ANHYDROUS 98%	NICE	100 GM
LEAD ACETATE	NICE	500 GM
LEAD BORATE	Any Brand	500 GM
LEAD CARBONATE	Any Brand	500 GM
LEAD NITRATE	NICE	500 GM
LEAD DIOXIDE	NICE	500GM
MANGANESE DIOXIDE TECHNICAL	NICE	500 GM
MANGANOUS SULPHATE MONOHYDRATE 99%	NICE	500 GM
MAG. BORATE	Any Brand	500 GM
MAG. CARBONATE	Any Brand	500 GM
MAG. NITRATE LR	NICE	500 GM
MAG.OXALATE	NICE	500 GM
MAG. SULPHATE	NICE	500 GM
MALEIC ANHYDRIDE	Any Brand	100 GM
MAGNESON REAGENT	Any Brand	100 GM
LEISHMAN STAIN SOLU. SEPARATE	NICE	500 ML
METHYL ACETATE	NICE	500 ML
METHYL BENZOATE	NICE	250 ML
MERCURIC IODIDE	Any Brand	100 GM
MERCUROUS NITRATE	Any Brand	100 GM
METALLIC SODIUM	Any Brand	
METHYL ORANGE POWDER	NICE	25 GM
N,N-DIMETHYL ANILINE - 99%	NICE	500 ML
N-PHENYL ANTHRANILIC ACID 98%	NICE	25 GM
NAPHTHOL ALPHA (1-Naphthol)	NICE	100 GM
NAPHTHOL BETA (2-Naphthol)	NICE	250 GM
NAPHTHALENE	NICE	500 GM
NESSLER'S REAGENT	NICE	500 GM
NICKEL NITRATE	NICE	250 GM



NICKEL SULPHATE	NICE	250 GM
4-NITROANILINE 99%	NICE	100 GM
NITROBENZENE	NICE	500 ML
<i>m</i> -nitro benzoic acid	Any Brand	100GM
<i>p</i> -nitro benzoic acid	NICE	500 GM
O-NITROPHENOL	NICE	500 GM
P-NITROPHENOL 99%	NICE	500 GM
PETROLEUM ETHER	NICE	25L
PHTHALIC ACID	NICE	500 GM
PHENOL (CARBOLIC ACID)	NICE	500 GM
PHENYLHYDRAZINE HYDROCHLORIDE	NICE	100 GM
PICRIC ACID SATURATED SOLUTION	NICE	125 ML
PICROLINIC ACID	NICE	
PHENOLPHTHALEIN POWDER	NICE	100 GM
PHTHALIC ANHYDRIDE	NICE	500 GM
POT. CARBONATE	NICE	500 GM
POT. CHLORIDE	NICE	500 GM
POT. CHROMATE 99%	NICE	500 GM
POT. DICHROMATE EMPLURA	MERCK	500 GM
POT. DICHROMATE AR	NICE	500 GM
POT. FERROCYANIDE	NICE	500 GM
POT. HEXACYANOFERRATE(II)TRIHYD.	Any Brand	
POT. FERRICYANIDE	NICE	250 GM
POT. HEXACYANOFERRATE(III)	Any Brand	
POT. HYD. PELLETS	NICE	500 GM
POT.IODIDE	NICE	
POT. NITRITE	NICE	500 GM
POT. NITRATE	NICE	500 GM
POT. NITRATE AR	NICE	500 GM
POT. OXALATE	NICE	500 GM
POT. SULPHATE	Any Brand	500 GM
POT.PERSULPHATE	Any Brand	500 GM
POT. PERMANGANATE	NICE	500 GM
POT. THIOCYANATE	NICE	500 GM
PYRIDINE	Any Brand	500 ML
QUINALDIC ACID	Any Brand	
RESORCINOL X	NICE	250 GM
RUBEANIC ACID	NICE	250 GM
SALICYLIC ACID	NICE	500 GM
SALICYLALDEHYDE - 99%	NICE	100 ML
SCHIFF'S REAGENT	NICE	125 ML
SILICA GEL BLUE COARSE(3-8MESH)	NICE	500 GM
SILICONE GREASE METROARK	Any Brand	50 GM
SILICA GEL FOR COL.CHR.(60-120MESH)	NICE	500 GM
SILICA GEL FOR COL.CHR.(100-200MESH)	NICE	500 GM
SILVER NITRATE	NICE	

<b>SOD. ACETATE TRI HYDRATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD. BICARBONATE L R</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD. BISULPHITE</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD. HYD. FLAKES L. R</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD. HYD.PELLET L. R</b>	<b>NICE</b>	<b>500 GM</b>
<b>SODIUM METAL</b>	<b>NICE</b>	<b>100GM</b>
<b>SOD. NITRATE LR</b>	<b>NICE</b>	<b>500GM</b>
<b>SOD. NITRITE</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD. SULPHITE</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD.PENTACYANOMINE FERRATE(ii) HEXAHYDRATE</b>	<b>NICE</b>	
<b>SOD.RHODIZONATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD.BISMUTHATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD.TARTATE</b>	<b>NICE</b>	<b>500 GM</b>
<b>BORAX (DI SOD. TETRABORATE)</b>	<b>NICE</b>	<b>500 GM</b>
<b>SOD. THIOSULPHATE 99%(HYPO)</b>	<b>NICE</b>	<b>500 GM</b>
<b>STANNOUS CHLORIDE (TIN CHLORIDE)</b>	<b>NICE</b>	<b>100 GM</b>
<b>STRONTIUM CARBONATE</b>	<b>NICE</b>	<b>250 GM</b>
<b>STRONTIUM OXALATE</b>	<b>NICE</b>	<b>250 GM</b>
<b>STRONTIUM CHLORIDE</b>	<b>NICE</b>	
<b>SUCROSE</b>	<b>NICE</b>	<b>500 GM</b>
<b>TARTARIC ACID</b>	<b>NICE</b>	<b>250GM</b>
<b>THIAMINE HYDROCHLORIDE 99%</b>	<b>NICE</b>	<b>25 GM</b>
<b>THIOUREA</b>	<b>NICE</b>	<b>500 GM</b>
<b>TIN METAL GRANULES</b>	<b>NICE</b>	<b>100 GM</b>
<b>O-TOLUIDINE AR</b>	<b>NICE</b>	<b>250 ML</b>
<b>UREA</b>	<b>NICE</b>	<b>500 GM</b>
<b>VANADIUM SULPHATE hydrate pure</b>	<b>Any Brand</b>	<b>100GM</b>
<b>ZINC ACETATE</b>	<b>Any Brand</b>	<b>500 GM</b>
<b>ZINC OXALATE</b>	<b>Any Brand</b>	<b>500 GM</b>
<b>ZINC METAL POWDER</b>	<b>NICE</b>	<b>500 GM</b>
<b>ZINC BORATE</b>	<b>Any Brand</b>	
<b>ZIRCONYL NITRATE</b>	<b>Any Brand</b>	
<b>ZIRCONIUM CHLORIDE</b>	<b>Any Brand</b>	
<b>ZINC DUST</b>	<b>Any Brand</b>	<b>500GM</b>
<b>ZINC SULFATE</b>	<b>NICE</b>	<b>500GM</b>
<b>ZINC NITRATE</b>	<b>NICE</b>	<b>500GM</b>

<b>Particulars</b>	<b>Brand</b>	<b>Pack</b>
Beaker 50ml	Borosil	
Beaker 150ml	Borosil	
Beaker 250ml	Borosil	
Beaker 500 ml	Borosil	
Beaker 1000 ml	Borosil	
Washbottle 500ML (Plastic)	Any Brand	
Weighing bottle 15mL	Borosil	
Melting Point Capillary tube 1 MM	Any Brand	
Condenser Liebig	Borosil	
SILICA CRUCIBLE spare lid 25mL	Any Brand	
SILICA CRUCIBLE spare lid 50mL	Any Brand	
SILICA CRUCIBLE 25mL	Any Brand	
SILICA CRUCIBLE 50mL	Any Brand	
Conical Flask 50mL	Borosil	
Conical Flask 100mL	Borosil	
Conical Flask 250mL	Borosil	
Standard Flask (volumetric) 100 mL	Borosil	
Standard Flask (volumetric) 250 mL	Borosil	
Standard Flask (volumetric) 500 mL	Borosil	
Funnel 100mm	Borosil	
Funnel 75mm	Borosil	
Test tube 15x 125mm	Borosil	
Boiling tube	Borosil	
Glass rod 8"	Any Brand	
Pipette volu. 5mL	Borosil	
Pipette volu. 10mL	Borosil	
Pipette volu. 20mL	Borosil	
FLASK BOILING RB 50mL	Borosil	
FLASK BOILING RB 100mL	Borosil	
FLASK BOILING RB 250mL	Borosil	
Centifuge tube conical 15 mL	Borosil	
Watch glass	Borosil	
FILTER PAPER ORDINARY	Any Brand	
WIRE GAUZE WITH ASBESTOES centre 6X6	Any Brand	
RUBBER TUBING	Any Brand	
Thermometer -10 -110C 18"	Any Brand	
TONGS	Any Brand	
SPATULA	Any Brand	
CHINA DISH	Any Brand	
STAND For Holding RB and Condensor	Any Brand	
CLAMPS For RB Flask	Any Brand	

**Chemicals/ Glass ware/ Equipment requirements from Zoology**

**Department 2021-2022**

**CHEMICALS**

SL NO	Name of Chemicals	Quantity	Make
1	ACETIC ACID GLACIAL	500ml	NICE
2	ORTHO TOLUIDINE	250 mL	NICE
3	SODIUM CARBONATE	250gm	NICE
4	SODIUM HYDROXIDE	500gm	NICE
5	SODIUM CHLORIDE	500gm	NICE
6	CHOLESTEROL	10 gm	NICE
7	DISODIUM PHENYL PHOSPHATE	25gm	NICE
8	ACID HYDROCHLORIC	500ml	NICE
9	4-AMINOANTIPYRINE	25gm	NICE
10	P-NITROPHENYL PHOSPHATE DISODIUM	5 gm	NICE
11	SODIUM CITRATE	500gm	NICE
	SODIUM PHOSPHATE MONOBASIC	500gm	NICE
12	SODIUM PHOSPHATE DIBASIC	500gm	NICE
13	BOVINE SERUM ALBUMIN	5gm	NICE
14	PHENOL	500gm	NICE
15	SODIUM BICARBONATE	250gm	NICE
16	pH BUFFER 7 TABLET	1 pkt/bottle	NICE
17	pH BUFFER 4 TABLET	1 pkt/bottle	NICE
18	TRIS -HCl	250 gm	NICE
19	TETRA METHYL PARA PHENYLENE DIAMINE DIHYDROCHLORIDE	10 gm	NICE

<b>PERISHABLES</b>			
SL NO	Item	Quantity	
1	ALUMINIUM FOIL	1	
2	BLOTTING PAPER	1	
3	COTTON (ABSORBENT)	1	
4	COVER SLIP (ROUND)	1	
5	COVER SLIP (SQUARE)	1	
6	COVER SLIP (RECTANGULAR)	1	
7	FILTER PAPER	1	
8	LANCET	1	
9	LENS CLEANING PAPER	1	
10	WHATMAN NO. 1 FILTER PAPER	1	
11	WHATMANN NO. 5 FILTER PAPER	1	
12	WIRE GAUZE	1	

<b>EQUIPMENTS</b>			
SL NO	Item	Quantity	
1	REFRIGERATOR (260 L, DOUBLE DOOR, FROST FREE)	1	

**Chemicals/ Glass ware/ Equipment requirements from Botany Department**  
**2021-2022**

**Chemicals.**

Sl. No	Item	Company	Quantity
1.	Hexane		500 ml
2.	Di-Sodium Hydrogen Phosphate		100 gm
3.	Acetone		2.5L x2
4.	Agar Agar Bacteriological		1 kg
5.	Ammonium Chloride		500 gm
6.	Ammonium Nitrate		500 gm
7.	Ammonium Per Sulphate		100gm
8.	Beef Extract powder		500 gm
9.	Benzene		500 ml
10.	Butanol		500 ml
11.	Boric Acid		500 gm
12.	Bovin serum albumin		500 gm
13.	Beta mercapto ethanol		500 gm
14.	Carmine Powder		200gm
15.	Mono Basic Sodium Phosphate		250 gm
16.	Chromic Acid		500 ml
17.	Cobalt Chloride		250 gm
18.	Calcium Chloride		500 gm
19.	Calcium hypochloride		500 ml
20.	Di Basic Sodium Phosphate		500gm
21.	Sulfosalicylic Acid		250 gm
22.	Di Nitro salicylic (DNS Reagent)		250 ml
23.	Fehling Solution A		500 MI

24.	Fehling Solution B		500 ML
25.	Ferrous Sulphate		250 gm
26.	Ferric Chloride Solution		500 ml
27.	Folin ciocalteacu reagent		250 ml
28.	Formalin Tablet		1 pkts
29.	Glycine		250ml
30.	Glycerol		500ml
31.	Gram's Staining kit		1 nos
32.	Hydrochloric acid (HCL)		2.5 liter
33.	Hydrogen peroxide		250 ml
34.	Meso-Inositol		250 gm
35.	Citric Acid		500 gm
36.	Iso propanol		1 L
37.	Na <sub>2</sub> CO <sub>3</sub>		500 gm
38.	Monobasic Sodium Phosphate		250 gm
39.	Manganeous Sulphate		250 gm
40.	2-Methoxyethanol		500 gm
41.	Nicotinic acid		250 ml
42.	Maltose		500 gm
43.	Kerosene		
44.	Silica Gel Powder		500 gm
45.	Phenol reagent		500 ml
46.	Peptone		500gms
47.	Potassium dihydrogen ortho phosphate		500gm
48.	Potassium Sodium Tartarate		500 gm

49.	Pottasium hydroxide		500 gm
50.	Peptone		500 gm
51.	Saffranine		500 ml
52.	Silver Nitrate		200gm
53.	Sodium acetate		500gm
54.	Sodium Alginate		500gm
55.	Sodium carbonate		500 gm
56.	Sodium bicarbonate		500 gm
57.	Sodium chloride		500 gm
58.	Sodium dithonate		500 gm
59.	Sodium hydroxide		500 gm
60.	Sodium hypochlorite		250gm
61.	Sodium Molbdate		250gm
62.	Sodium phosphate		500 gm
63.	Sodium potassium tartarate		500ml
64.	Starch		500 gm
65.	Sucrose		500 gm
66.	Thiamine HCL		250 ML
67.	Carbamide		500gm
68.	Urea		500 gm
69.	Potassium Permanganate		500 gm
70.	Mercuri Chloride		250 gm
71.	Sucrose		500 gm
72.	D- Glucose		500 gm
73.	Glycerol		500 ml
74.	Gallic Acid		100 gm

**Glass ware: and plastic ware**

SI No	Item	Glass Ware	
1	Boiling Tube (rimless)(sugar tube)	Borosil	1
2	Test Tubes	Borosil	1
3	Conical Flask -1000ml	Borosil	1
4	Conical Flask-100ml	Borosil	1
5	Conical Flask -150ml	Borosil	1
6	Conical Flask- 250ml	Borosil	1
7	Conical Flask -500ml	Borosil	1
8	Beaker 100 ml	Borosil	1
9	Beaker 125 ml	Borosil	1
10	Beaker 250 ml	Borosil	1
11	Beaker 500 ml	Borosil	1
12	Beaker 1000 ml	Borosil	1
13	Pipettes 0.1 ml	Borosil	1
14	Pipettes 1ml	Borosil	1
15	Pipettes 5 ml	Borosil	1
16	Pipettes 10 ml	Borosil	1
17	Spirit Lamp (Glass) Medium		1
18	Measuring Cylinder 100 ml - Plastic	Borosil	1
19	Measuring Cylinder 250 ml - Plastic	Borosil	1
20	Measuring Cylinder 500 ml - Plastic	Borosil	1
21	Capillary tubes		1 box
22	Round Bottomed Flask 250 ml	Borosil	1
23	Petri plates	Borosil	1
24	Wire Gauge		1
25	Screw capped bottle 25 ml	Borosil	1
26	Conical Flask – 1000 ml	Borosil	1
27	Absorbant Cotton		1
28	Non – Absorbant Cotton		1
29	Reagent bottle 1000ml		1
30	Glass rods		1
31	Coplin jar with lid - Glass		1
32	Cavity block with lid - Glass		1
33	Watch glass 7x10 cm		1



34	Cover glass		1
35	Spatula		1
36	Forceps (9 inch)		1
37	Centrifuge tube with cap (20 ml)		1
38	Centrifuge tube with cap (10 ml)		1
39	Needle		1
40	Test tube stand		1
41	Filter paper ( Whatmann No:1)		1
42	Filter paper ( Normal)		1
43	Lab tray (small)		1
44	Ganong's photometer (full set)		1

**Instruments:**

Dissection Microscope

## LIST OF COMPUTERS TO BE SERVICED

(Dept of Physics, Zoology, Psychology)

SL NO	Item	Model/ Specification	Quantity
1	Intel Processor	I3 1010	1 No.
2	Gigabyte Motherboard	H510MH	1 No.
3	8GB DDR4 Ram	ADATA/ HIKVISION	1 No.
4	240 GB M.2 SSD Hard Disk	ADATA/ HIKVISION / SEAGATE	1 No.
5	Fingers ATX Cabinet		1 No.
6	450W Fingers SMPS		1 No.
7	Dell 20" LED Monitor		1 No.
8	Dell 18.5" LED Monitor		1 No.
9	Dell USB Keyboard		1 No.
10	Dell USB Mouse		1 No.
11	SD RAM	128 MB	1 No.
12	RD RAM	128 MB	1 No.

\*\*Quantity of item may vary according to the price of service.

\* The damaged computers may be verified in above specified labs on all working days 9.30 am to 3.30 pm

Place : U.C.College

Date : 01/04/2022

Principal