

SREE KERALAVARMA COLLEGE

Thrissur - 680 011

Affiliated to University of Calicut



Phone: 0091 487 2380535

Mob : 0091 85470 07535

Email: mail@keralavarma.ac.in

Website: www.keralavarma.ac.in

Department of Physics

Requirement list (P & D Fund), Department of Physics, SKVC

| Sl No | Apparatus | Quantity |
|-------|--|----------|
| 1 | Newton's ring apparatus | 2 |
| 2 | Air wedge | 2 |
| 3 | Electric heater | 2 |
| 4 | Carey foster's bridge wire (low resistance wire) | 1 roll |
| 5 | Calorimeter | 2 |
| 6 | Thermocouple | 1 |
| 7 | Photo diodes | 6 |
| 8 | Light detecting resistance | 4 |
| 9 | Koenig's method - mirrors | 8 |
| 10 | Forbe's method apparatus | 1 |
| 11 | Laser Gaussian setup | 1 |
| 12 | Sodium vapour lamp with proper housing | 1 |
| 13 | Mercury vapour lamp with proper housing | 1 |
| 14 | Optical plane mirrors for liquid lens | 4 |
| 15 | Optic levers | 6 |
| 16 | Stop watch | 4 |
| 17 | Connection wire | 1 roll |
| 18 | CRO probe | 12 |
| 19 | Kerosene | 5 litre |
| 20 | Glycerine | 1 ltr |
| 21 | Step down transformer (6-0-6) | 4 |
| 22 | U JET | 5 |
| 23 | SCR | 3 |
| 24 | FET | 5 |
| 25 | Shunt wire less than 0.1 Ω /m | 10 meter |
| 26 | Microbalance | 1 |
| 27 | Digital oscilloscope | 3 |
| 28 | BG set | 1 |
| 29 | HDMI- VGA Female connector | 2 |
| 30 | USB -Type C HDMI cable | 2 |
| 31 | Ultra sonic interferometer | 1 |
| 32 | GM Counter shield radiation | 1 |
| 33 | Fire extinguisher | 3 |
| 34 | Slide changer with laser pointer | 1 |
| 35 | Kasperski Anti virus | 3 system |
| 36 | Ethanol | 1 ltr |
| 37 | Ti(IV) Iso propoxide | 200 ml |
| 38 | Zr (IV) Iso propoxide | 200 ml |
| 39 | Acetone | 4 ltr |
| 40 | Glass slide | 10 set |
| 41 | Tissue paper Research grade | 10 set |
| 42 | Computer mouse | 6 |
| 43 | Camera | 1 |
| 44 | Computer cover for both monitor and cpu | 25 set |
| 45 | Computer UPS | 2 |
| 46 | Printer cartridge (HP Laser jet 1020 plus) | 2 |



Dr. Biju C.

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Department of Chemistry

**Sree Kerala Varma College, Thrissur,
Department of Chemistry**

LIST OF EQUIPMENTS & REAGENTS

| SL NO | EQUIPMENTS | QUANTITY | |
|-------|--|----------|-----|
| | | Unit | Nos |
| 1 | PH /EC /TDS/ Salinity Meter - 372 (PETS) | | 1 |
| | REAGENT | | |
| 1 | 1/4-DICHLOROBENZENE | 500 gm | 1 |
| 2 | 2-CHLOROPHENOL | 500 ml | 1 |
| 3 | BETA NAPHTHOL | 500 gm | 1 |
| 4 | DIETHYL ETHER | 500 ml | 20 |
| 5 | METHYL ACETATE | 500 ml | 1 |
| 6 | PHENOL | 500 ml | 2 |
| 7 | ALUMINIUM CARBONATE | 500 gm | 1 |
| 8 | ALUMINIUM BORATE | 500 gm | 2 |
| 9 | AMMONIA SOLUTION | 2.5 L | 5 |
| 10 | BORAX | 500 gm | 1 |
| 11 | CALCIUM NITRATE | 500 gm | 1 |
| 12 | FEROUS SULPHIDE STICK | 500 gm | 10 |
| 13 | HYDROCHLORIC ACID | 2.5 L | 5 |
| 14 | MAGNESIUM NITRATE | 500 gm | 2 |
| 15 | MANGANESE ACETATE | 500 gm | 2 |
| 16 | NITRIC ACID | 2.5 L | 2 |
| 17 | SODIUM HYDROXIDE PELLET | 500 gm | 10 |
| 18 | SODIUM METAVANADATE | 100 gm | 2 |
| 19 | STRONTIUM CHLORIDE | 500 gm | 2 |
| 20 | STRONTIUM CARBONATE | 500 gm | 2 |
| 21 | STRONTIUM OXALATE | 500 gm | 2 |
| 22 | ZINC NITRATE | 500 gm | 1 |
| 23 | STARCH SOLUBLE | 500 gm | 1 |



Dr. DIVYA P. V
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Department of Zoology

Dept. of Zoology Chemicals 2024

| Sl.No, | Name of the item | Quantity |
|--------|----------------------------|------------|
| 1 | Chromatography paper | 10 sheets |
| 2 | Creatinine | 25gm x 1 |
| 3 | Benedict's reagent | 500ml x2 |
| 4 | Ninhydrin (solution) | 125ml x2 |
| 5 | Sodium hydroxide | 500x2 |
| 6 | Demineralised water | 5L x 3 |
| 7 | Molisch reagent | 100x 3 |
| 8 | Alpha naphthol | 50g x 1 |
| 9 | Felhing's A | 500x2 |
| 10 | Felhing's B | 500x2 |
| 11 | Potassium hydroxide | 500x1 |
| 12 | Silver nitrate | 100 ml x 1 |
| 13 | Ammonium molybdate | 500gm x 1 |
| 14 | Manganese sulphate | 500x2 |
| 15 | Potassium iodide | 100x1 |
| 16 | Aceto orcin | 100 mlx1 |
| 17 | Sodium sulphate | 500gm x 1 |
| 18 | Crystal violet | 500gm |
| 19 | Sodium hypochlorite | 250 |
| 20 | Urea | 100x1 |
| 21 | Potassium chromate | 500gm x 1 |
| 22 | haeme's fluid(RBCdiluting) | 125ml x 1 |
| 23 | Sodium taurocholate | 500x1 |
| 24 | Neutral red | 100 |



Pa'kk

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| | | |
|----|-------------------------------------|--------------|
| 25 | Ammonium oxalate | 500 |
| 26 | Hydrochloric acid | 2.5L x 1 |
| 27 | Sodium silicate | 500 |
| 28 | Formalin | 5L |
| 29 | Sulphuric acid | 500ml x 3 |
| 30 | Albumine bovine fraction V (powder) | 5gm x 2 |
| 31 | Glacial acetic acid | 500ml x 3 |
| 32 | Ninhydrin (powder) | 25gm |
| 33 | Aluminium alum | 500gm |
| 34 | Potassium metabisulphate | 500 |
| 35 | Eosin powder | 200 |
| 36 | Methyl orange | 100ml x 1 |
| 37 | Phenophthalene | 125ml x 1 |
| 38 | Periodic acid | 500 |
| 39 | Sodium hydroxide | 500 |
| 40 | Schiff's reagent | 250 |
| 41 | Bromophenol blue | 250 |
| 42 | orcinol | 5g x2 bottle |
| 43 | Mercuric chloride | 500 |
| 44 | Pepsin | 100 |
| 45 | Suffranine | 100 |
| 46 | Potassium dichromate | 100 |
| 47 | Sudan black | 100 |
| 48 | Potassium metasulphate | 100 |
| 49 | PH paper | 3 packet |
| 50 | Anti A/B/D | 1 packet |



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| | | |
|----|---------------------------|-----------|
| 51 | Anti B | 1 packet |
| 52 | Anti D | 1 packet |
| 53 | Whatman filterpaper 90mm | 2 packet |
| 54 | Dropper | 10 |
| 55 | BOD bottle | 20 |
| 56 | Barfoed's reagent | 100ml x2 |
| 57 | Schelwanoff's reagent | 100ml x 2 |
| 58 | Measuring cylinder | 100mlx5 |
| 59 | Standard flask (25ml) | 2 |
| 60 | Standard flask(1000ml) | 2 |
| 61 | Lugols iodine | 125ml x 2 |
| 62 | calorie meter | 1 |
| 63 | Microwave oven | 1 |
| 64 | Plankton counting chamber | 10 |
| 65 | Buret | 10 |
| 66 | pipette | 25mlX10 |
| 67 | Kcl | 500x1 |
| 68 | seliwanooffs reagent | 125x2 |
| 69 | Barford's Reagent | 125x2 |
| 70 | iso propyl alcohol | 500x1 |
| 71 | Arginine | 5gx1 |
| 72 | Nitric acid | 500x2 |
| 73 | Tissue paper | 6 roles |
| 74 | Student microscope | 2 |
| 75 | Xylene | 3bottle |
| 76 | dpx | 2bottle |
| 77 | haemetoxyline | 2bottle |
| 78 | eosiene | 2bottle |



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| | | |
|----|-------------------------------|---------|
| 79 | Standerd flask | 100mlX8 |
| 80 | Standerd flask | 50X3 |
| 81 | Test tube holder | 10 |
| 82 | Pipette pump | 3 |
| | Cotton | 2 |
| 84 | Beaker | 1000X8 |
| 85 | Beaker | 500X8 |
| 86 | whattman filterpaper 110mm | 10nos |
| 87 | Iris scissor | 4 |

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Department of Botany

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DEPARTMENT OF BOTANY

THRISSUR

Instrument and chemicals

| Sl no | Items | Prize/ unit | No of specimen needed | Total |
|-------|----------------------------------|-------------|-----------------------|----------|
| 1. | Microscope unilocular (OLYMPUS)- | 8000/- | 6 | 48,000/- |
| 2. | Specimen Bottles Glass 1 litre | 100 | 40 | 4000 |
| 3 | Specimen Bottles Glass 2 litre | 100 | 20 | 2000 |
| 4 | Specimen Bottles Glass 1/2 litre | 100 | 20 | 2000 |
| 5 | Microwave glass ware 1 litre | 1 | 1500 | 1500 |
| 6 | Microwave glass ware 1 litre | 1 | 1500 | 1500 |
| 7 | Dissection needle | 10 | 100 | 1000 |
| 8 | Dissection brush | 10 | 100 | 1000 |
| 9 | Gram staining kit | 800 | 5 | 4000 |
| | | | | |

Total 65,000/-

