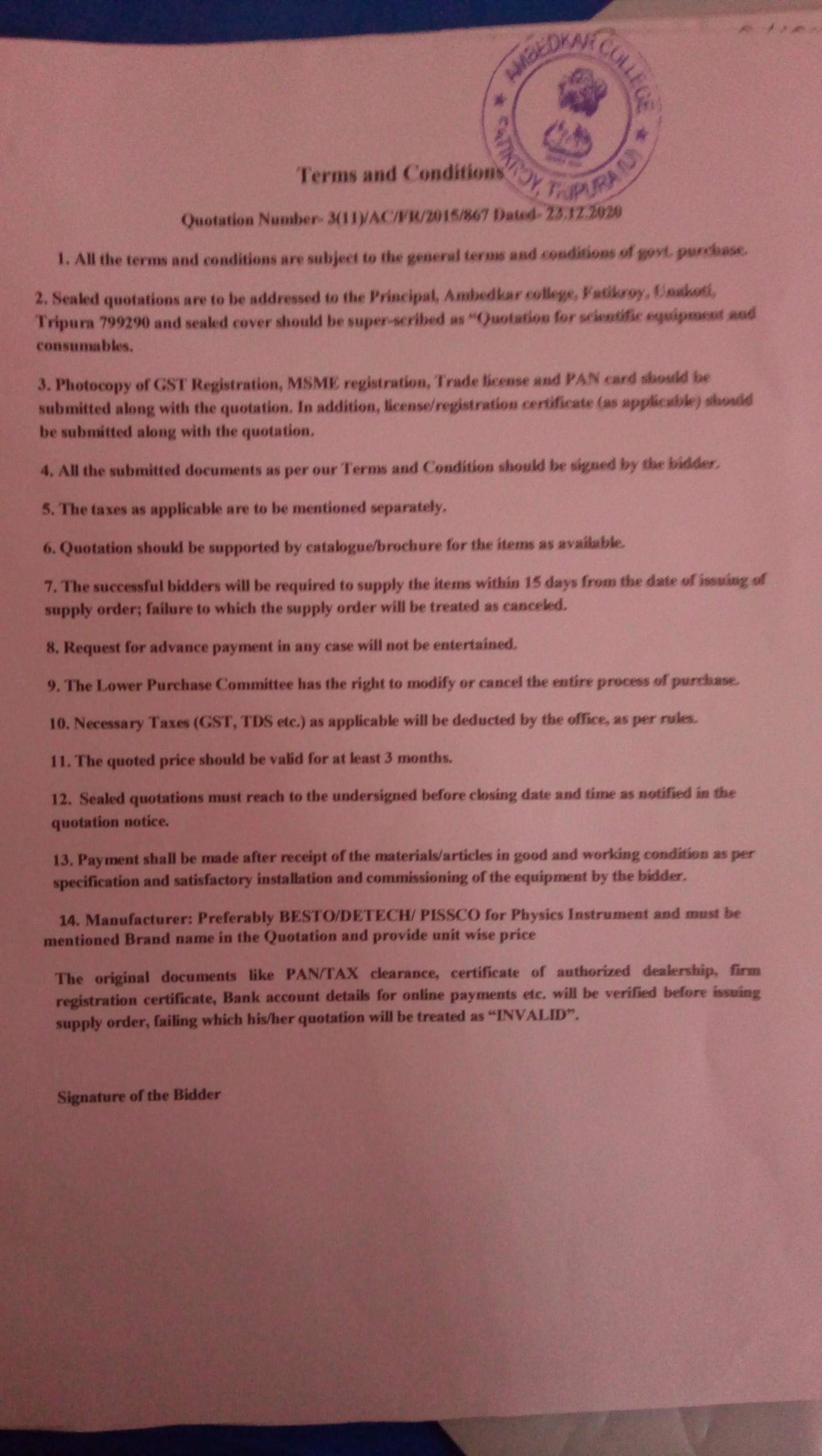


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**Requisition for Department of Zoology**

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| --- | --- | --- |
| **Sl. No** | **Name of Items required** | **Quantity** |
| 1. | Manganese Sulfate,(MnSO4,H2O/MnSO4,2H2O/MnSO4,4H2O/MnSO4,5H2O | 500 gm |
| 2. | N/80 Sodium thiosulphate Solution | 2Ltr |
| 3. | Dry Sodium thiosulphate(Na2S2O3,5H2O) | 100gm |
| 4. | Starch | 500gm |
| 5. | Boric Acid | 100gm |
| 6. | Sodium Hydroxide(NaOH) | 500gm |
| 7. | Potassium Iodide | 250gm |
| 8. | Concentrated Sulphuric Acid | 450ml |
| 9. | Distilled water | 5Ltr |
| 10. | BoD Bottle with Stopper(250ml) | 20nos. |
| 11. | Slides: Mite, Termite, Collembola, Ants,Daphnia, Cyclopes,Fasciola, | 1each |
| 12. | Jar Specimen: Physalia, Earthworm- Perionyx Sp, Ascaris, Hirudinaria, Octopus, Exocoetus, Hyla, Hemidactylus, Chiroptera | 1each |
| 13. | Plankton net | 2nos. |
| 14. | Permanent Slide:  Prophase-I: Leptotene, Zygotene, Pachytene, Diplotene, Diakinesis, Metaphase-1, Anaphase-1, Telophase-1, Prophase-II, Metaphase-II, Anaphase-II, Telophase-II | 1each |

**Requisition for Department of Physics**

1. Complete setup of measurement of Boiling point of a liquid by Platinum resistance thermometer

(Platinum Resistance Thermometer 3 ratio P.O. box Meter Bridge Leclance cell (dry)/ 2V Power Supply 100 ohms / 1A rheostat Dead Beat Galvanometer Lamp & scale arrangement Tapping key. Commutator Large funnel Funnel holder with stand Heating mantle (size of flask 2000ml ) Round bottom flux for Pt.Resistance Thermometer Stand for clamping the bottles)

1. Complete setup of measurement of thermo emf measurement instrument

(Potentiometer with jokey[10 no wire] 2V Power Supply Resistance box 0-10000 Spot Galvanometer Plug key. 1 Way Thermocouple Copper Constantan Thermometer 110 Deg Stand for holding thermometer Arrangement for boiling of water - complete with electrical heater Ice bath - 500 ml Plastic beaker)

1. Complete setup of construction of one ohm resistance

(Carry Foster Bridge 1 Ohm Manganin coil resistance Resistance Box Manganin coils 5000 ohms Standard 1 ohm coil ( Oil Cooled) 2 V DC Power Supply Plug commutator Digital Galvanometer Rheostat 100 ohms 2A)

1. CRO ( Systronics, Double beam)
2. Function generator (Systronics)
3. Complete setup for determination of high resistance by the method of leakage
4. Complete setup for determination of mutual inductance of two coils
5. Study of half wave, Full wave and bridge rectification
6. Rheostat - 200ohm
7. Resistance box ( fractional and range 0 to 10000 ohm)
8. AC Voltmeter-
9. AC ammeter-
10. Table Galvanometer-
11. Meter bridge-
12. Carrey Foster Bridge
13. Potentiometer
14. Constantan wire - meter
15. Standard Resistance - 02 ohm, 05 ohms, 10 ohms, 20 ohms
16. Connecting wire
17. Power supply standard – 2 volt and 1.5 volt ( standard)
18. Temperature coefficient of resistance measurement complete setup
19. 1 lt boiler –
20. 2 lt boiler
21. Connecting Pipe
22. Copper constantan thermocouple
23. Screw driver set for laboratory
24. One ohm standard resistance-
25. P.O. BOX

**Requisition for Department of Botany**

**Lab Specimen Quantity**

Mucor 2nos.

Penecillium 2nos.

**Permanent Slide**

Mucor Zygospore 1no.

Penecillium Conidia 1no.

**Jar Specimen**

Late Blight of Potato 1no.

Stem Rot of Jute 1no.

**Chemical**

Dextrose 500g 1no.

Agar Agar 500g 1no.

Formalin 5lit 1no.

**Requisition for Department of Chemistry**

**NAME OF CHEMICALS**

1. Ammonium acetate, Ammonium Chloride **( two container each )**
2. Ammonium carbonate, Lead Acetate
3. Ammonium oxalate, Zinc Sulphide
4. Ammonium sulphate, Mercuric Chloride
5. Barium chloride, Arsenic Sulphide
6. Calcium chloride
7. Cobalt nitrate
8. Ferric chloride
9. Lead acetate
10. Mercuric chloride
11. Potassium chromate
12. Potassium dichromate
13. Potassium ferricyanide
14. Potassium ferrocyanide
15. Potassium permanganate
16. Silver nitrate, Silver Chloride
17. Sodium acetate
18. Disodium hydrogen phosphate
19. Aluminum powder
20. Ammonium chloride
21. Ammonium nitrate
22. Borax, Ammonium Nitrate
23. Cadmium carbonate
24. Calcium fluoride
25. Copper turnings
26. Ferrous sulphate
27. Iron powder, Mercuric Chloride
28. Potassium carbonate
29. Potassium chlorate, Potassium Chloride
30. Potassium iodide
31. Potassium nitrate
32. Sodiun bicarbonate, Sodium sulphite
33. Sodium carbonate, Sodium Nitrate, Sodium Nitrite, Sodium Thiosulphate
34. Sodium bismuthate, Sodium Arsinate
35. Sodium nitrate
36. Sodium nitrite
37. Sodium peroxide
38. Sodium nitroprusside
39. Red lead , Lead Sulphide
40. Silver sulphate
41. Silver acetate
42. Sulphur powder
43. Starch
44. Tartaric acid
45. Urea
46. Tin foil and tin granules, Stannous Chloride, Stannous Sulphide
47. Zinc powder & zinc granules
48. Oxalic acid
49. Aluminum phosphate , Nickel phosphate , Calcium carbonate
50. Zinc sulphate, Magnesium sulphate , Zinc sulphate
51. Manganese dioxide , Copper nitrate , Manganese sulphate
52. Sodium sulphate, Boric acid, Copper sulphate, Barium Sulphate,
53. Zinc oxide, Lead Oxide, Cupper Oxide, Zinc sulphate, Boric acid, Potassium sulphate
54. Magnesium oxide, Magnesium carbonate, Copper chloride
55. Zinc chloride, Potassium chloride, Manganese (ii) chloride
56. Calcium chloride, Nickel sulphate , manganese dioxide; lead oxide
57. Copper borate, Magnesium borate, Sodium Phosphate
58. Lead chloride, Nickel chloride, Copper chloride, Ferric chloride
59. Lead nitrate, Sodium nitrate, Sodium chloride
60. Magnesium Chloride, Zinc Chloride, Zinc Acetate
61. Tin Granules, Mohr's Salt, Metallic Sodium
62. Potassium Bromide
63. Potassium Bromate
64. Lead Chloride, Strontium Phosphate, Strontium Carbonate

**List of acids & Alkalis**

1. Acetic acid, Sulphuric acid , Hydrochloric acid, Nitric acid, Phosphorous acid
2. Potassium Hydroxide, Sodium Hydroxide, Ammonium Hydroxide

**List of Special Chemicals for special reagents** **(Two container each)**

1. AmmoniumMolybdate, Mercuric Iodide, Potassium Iodide, Liquid Bromine
2. Iodine, Mercury, Sodium bi carbonate, Dimethyl Glyoxime, Stanous Chloride
3. Mercuric Chloride, Starch, Fuchsin(Rosaniline hydrochloride), Rochelle Salt
4. D N P, EDTA, Sodium Nitropriside
5. Calcium Chloride, Silver Nitrate,

**List of Liquid Chemicals**  **(Three bottle each)**

1. Methanol, Ethanol, Chloroform, Carbon tetrachloride ,
2. Benzene, Glycerol, Anilene , Nitro benzene

**List of Indicators [ Two container each ]**

1. Methyl Orange, Methyl Red
2. Bromocresol Green, Phenolphthalein
3. Diphenyl Amine, Ba-diphenylamine sulphonate

**List for Organic Qualitative Analysis**,  **[ Two container each ]**

1. Acetic Anhydride, Glacial Acetic acid, Sodium Acetate, Succinic Acid
2. Salicylic Acid, Sodium Carbonate ,glucose, sucrose , Benzophenone,
3. Acetanilide, Acetic acid, Acetone, Adipic acid , Cinnamic Acid, Benzil, Benzoin
4. Anthranilic acid, Benzal acetophenone, Benzaldehyde, Benzamide
5. Benzil, Benzoic acid, Naphthalene, Phenol, Citric acid, Formic acid
6. Beta-Naphthal, Phthalimide, Picric acid, Salicylic acid, Tartaric acid,
7. P-Nitro Benzoic Acid, 4- Hydroxy Benzoic Acid, P- Nitro Aniline
8. P-Nitrobenzoic Acid,4- Hydroxy Benzoic Acid, α- Napthol, β-Naphthol
9. Β-Napthyl Amine, Resorcinol Benzoic Acid, Sulphanilic Acid, Hydroquinol

**List of Chemical Apparatus and Glasswares**

1. Viscometre (20 pieces)
2. Stalagmometer (20 pieces )
3. Stop watch (10 pieces)
4. Beacker (500ml : 12 pieces)

(800ml :10 pieces)

(250ml : 12 pieces )

( 100ml : 20 pieces )

( 50ml : 20 pieces )

1. Pipette ( 25ml ; 20 pieces )
2. Stoppered bottle ( 250ml : 200 pieces)
3. Volumetric flask ( 250 ml , 20 pieces )
4. Owing bottle ( 20 pieces )
5. Specific gravity bottle ( 20 pieces )
6. Conical flask (500 ml, 10 pieces)

( 250 ml 10 pieces )

1. Fusion test tube ( 2 boxes )
2. Spatula ( 10 pieces )
3. Measuring cylinder ( 2litres ; 3 pieces )
4. Funnel ( medium size , 10 pieces; big size, 5 pieces )
5. Watch glass (15 pieces )
6. Wooden test tube Stand ( 20 pieces )
7. Platinum loop ( wire ) ( 20 pieces )
8. ELECTRONIC BALANCE ( 01 piece )
9. Portable Balance ( with battery ) ( 2 pieces )
10. Embedding Bath
11. Electric Oven
12. Rubber Pipe( 20 meters) for Viscometer and Stalagmometer