Date: 07.04.2022

Sealed quotation is invited from the experience and reliable vendor for the materials as stated below:

"Quotation for laboratory items for the Department of Chemistry"

List of required materials which are as follows:

| Name of the chemical/ glass apparatus | List of required materials which are | | | |
|--|--------------------------------------|--|--|--|
| Acetone Air condenser Alpha-naphthol Amberlyte IR- 120 (100 -200 mesh) (Cation exchanger resin) Ammonium acetate Ammonium chloride Anion exchanger/ Duolite al13 (Strong basic anion exchanger) Benzaldehyde Benzophenone Benzophenone Benzoplenone Benzoplenone Benzoplenone Benzoplenone Carbon tetrachloride Cohloroform Cobalt sulphate Copper sulphate pentahydrate Dossicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber - 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | | Name of the chemical/ glass apparatus | | |
| Alpha-naphthol Amberlyte IR- 120 (100 -200 mesh) (Cation exchanger resin) Ammonium acetate Anion exchanger/ Duolite a113 (Strong basic anion exchanger) Benzaldehyde Benzophenone Benzophenone Benzophenone Benzophenone Benzophenone Benzophenone Carbon tetrachloride Carbon tetrachloride Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 4 cm) Gooch crucible with filtering set for gravimetric analysis | 1 | Acetone | | |
| 4 Alpha-naphthol 5 Amberlyte IR- 120 (100 -200 mesh) (Cation exchanger resin) 6 Ammonium acetate 7 Ammonium chloride 8 Anion exchanger/ Duolite al 13 (Strong basic anion exchanger) 9 Benzaldehyde 10 Benzophenone 11 Benzoyl chloride 12 Boiling point apparatus for laboratory 13 Buchner funnel 14 Carbon tetrachloride 15 Chloroform 16 Cobalt sulphate 17 Conical flask (100 ml) 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (12 cm × 4 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 2 | Acetone | | |
| Amberlyte IR- 120 (100 -200 mesh) (Cation exchanger resin) Ammonium acetate Ammonium chloride Anion exchanger/ Duolite al13 (Strong basic anion exchanger) Benzaldehyde Benzophenone Benzoyl chloride Benzoyl chloride Benzoyl chloride Carbon tetrachloride Cohloroform Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 3 | Air condenser | | |
| Amberlyte IR- 120 (100 -200 mesh) (Cation exchanger resin) Ammonium acetate Ammonium chloride Anion exchanger/ Duolite al13 (Strong basic anion exchanger) Benzaldehyde Benzophenone Benzoyl chloride Benzoyl chloride Benzoyl chloride Carbon tetrachloride Cohloroform Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 4 | Alpha-naphthol | | |
| Ammonium chloride Anion exchanger/ Duolite al 13 (Strong basic anion exchanger) Benzaldehyde Benzophenone Benzophenone Benzophenone Benzophenone Benzophenone Benzophenone Benzophenone Carbon tetrachloride Carbon tetrachloride Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 5 | Amberlyte IR- 120 (100 -200 mcsh) | | |
| Anion exchanger/ Duolite al13 (Strong basic anion exchanger) Benzaldehyde Benzophenone Benzoyl chloride Benzoyl chloride Carbon tetrachloride Carbon tetrachloride Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (12 cm × 4 cm) Gooch crucible with filtering set for gravimetric analysis | 6 | | | |
| basic anion exchanger) Benzaldehyde Benzophenone Benzoyl chloride Boiling point apparatus for laboratory Buchner funnel Carbon tetrachloride Chloroform Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 7 | Ammonium chloride | | |
| 10 Benzophenone 11 Benzoyl chloride 12 Boiling point apparatus for laboratory 13 Buchner funnel 14 Carbon tetrachloride 15 Chloroform 16 Cobalt sulphate 17 Conical flask (100 ml) 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 8 | | | |
| Benzoyl chloride Boiling point apparatus for laboratory Buchner funnel Carbon tetrachloride Cobalt sulphate Conical flask (100 ml) Copper sulphate pentahydrate Dessicator Dolomite Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 9 | Benzaldehyde | | |
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| 13 Buchner funnel 14 Carbon tetrachloride 15 Chloroform 16 Cobalt sulphate 17 Conical flask (100 ml) 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 11 | Benzoyl chloride | | |
| 14 Carbon tetrachloride 15 Chloroform 16 Cobalt sulphate 17 Conical flask (100 ml) 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 12 | Boiling point apparatus for laboratory | | |
| 15 Chloroform 16 Cobalt sulphate 17 Conical flask (100 ml) 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 13 | Buchner funnel | | |
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| 17 Conical flask (100 ml) 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 15 | Chloroform | | |
| 18 Copper sulphate pentahydrate 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 16 | Cobalt sulphate | | |
| 19 Dessicator 20 Dolomite 21 Dowex-50 (100 -200 mesh) / Dowex 50 WX-8 (strong acidic exchanger) 22 Ethanol 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 17 | Conical flask (100 ml) | | |
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| WX-8 (strong acidic exchanger) Ethanol Ethyl acetoacetae Formaldehyde Fructose Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 20 | Dolomite | | |
| 23 Ethyl acetoacetae 24 Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 21 | , , | | |
| Formaldehyde 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 22 | Ethanol | | |
| 25 Fructose 26 Glass column Borosil (109 inches×2-3 cm diameter) 27 Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 23 | Ethyl acetoacetae | | |
| Glass column Borosil (109 inches×2-3 cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 24 | Formaldehyde | | |
| cm diameter) Glass jar with a lid (as Chromatography chamber – 18 cm × 6 cm) Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 25 | Fructose | | |
| chamber – 18 cm × 6 cm) 28 Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) 29 Glass plate for TLC (12 cm × 4 cm) 30 Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 26 | | | |
| Glass jar with a lid (as Chromatography chamber – 25 cm × 25 cm) Glass plate for TLC (12 cm × 4 cm) Glass plate for TLC (4 cm × 2 cm) Gooch crucible with filtering set for gravimetric analysis | 27 | | | |
| 30 Glass plate for TLC (4 cm × 2 cm) 31 Gooch crucible with filtering set for gravimetric analysis | 28 | | | |
| Gooch crucible with filtering set for gravimetric analysis | 29 | Glass plate for TLC (12 cm × 4 cm) | | |
| gravimetric analysis | 30 | Glass plate for TLC (4 cm × 2 cm) | | |
| | 31 | Gooch crucible with filtering set for | | |
| | 32 | * | | |

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|----|---|
| 33 | Hard Glass test tube (1.0 inch diameter |
| | * 6-7 inch length) wih rubber corck |
| 34 | Hard glass test tube (13 ×100 mm) with |
| | teflon coated rubber stopper |
| 35 | HCI |
| 36 | HCl (LR) |
| 37 | Hexa fluoro phosphoric acid |
| 38 | HNO3 (LR) |
| 39 | Hot plate |
| 40 | Hydrogen peroxide |
| 41 | Iodine (Resublimated) |
| 42 | Litmus paper (red and blue) |
| 43 | Luzchen photo reactor (Source of |
| 43 | sunlight) |
| 44 | Magnetic stirrer plate with magnetic bar (Teflon coated) with temperature |
| 44 | controller |
| 45 | m-dinitro benzene |
| 46 | Methanol |
| 47 | Methyl orange |
| 48 | Methylene chloride (dichloro methane) |
| 49 | Methyl-m-nitro benzoate |
| 50 | Monoquartz distillation unit |
| 51 | n- butyl alcohol |
| 52 | NH3 |
| 53 | Nickel ammonium sulphate |
| 54 | Ortho phosphoric acid |
| 55 | p- nitro acetanilide |
| 56 | PCI ₅ |
| 57 | Petroleum ether |
| 58 | pH strip (Merck) |
| 59 | pH tablet 4, 7 |
| 60 | Phosphorus pentoxide |
| 61 | Platinum electrode |
| 62 | p-nitro toluene |
| 63 | Potassium bromate |
| 64 | Potassium carbonate |
| 65 | Potassium iodate |
| 66 | Potassium iodide |
| 67 | Potassium persulphate |
| | P . 0 |

Sema Banejee.

| 68 | Propan-2-ol |
|----|---|
| 69 | Propanol |
| 70 | Resorcinol |
| 71 | Rochelle salt |
| 72 | Round bottom flask (100 mL, 250 mL) with condenser |
| 73 | Round bottom flask (Flat bottom, 100 mL, 250 mL) |
| 74 | Rubber tube |
| 75 | Rubenic acid |
| 76 | Silica gel- G (200 Mesh) |
| 77 | Silver electrode |
| 78 | Silver nitrate |
| 79 | Sodium bicarbonate |
| 80 | Sodium carbonate |
| 81 | Sodium diochromate |
| 82 | Sodium Lauryl sulphate |

| 83 | Sodium sulphide |
|----|--|
| 84 | Sprayer set |
| 85 | Steel |
| 86 | Suction pump |
| 87 | Sudan Red |
| 88 | Sudan Yellow |
| 89 | Sulfur powder |
| 90 | Test tube |
| 91 | Thiamine chloride |
| 92 | Three necked round bottom flask |
| 93 | Toluene |
| 94 | Urea |
| 95 | Vaccuum dessicator |
| 96 | Water bath |
| 97 | Whatman No. 1 for paper chromatography |
| 98 | Wire gauge |
| | |

Last date for submission of sealed quotation: 18.04.2022 (2:00 P.m.)

Items to be covered for documentation:

- 1) Photocopy of credential of the vendor.
- 2) Photocopy of registration of the vendor.
- 3) Photocopy of trade license.
- 4) The total price should include all taxes (G.S.T. rate)
- 5) Photocopy of Aadhar card.
- 6) Photocopy of PAN card.
- 7) The price must confirm to the specification.
- 8) Quotations must carry experience certificates as applicable.

Hooghly Women's College

Principal Hooghly Women's College