

CHRISTIAN COLLEGE CHENGANNUR

Tender No. CCC-PD-2021 dated 13-04-21

Last Date 03-5-21

Tender opening 4-5-21

TECHNICAL DETAILS OF TENDER ITEMS – PD ACCOUNT 2020-2021

DEPARTMENT OF PHYSICS			
S.No	Name of the Item	S.No	Name of the Item
1	Circular coil	10	Potentiometer
2	Commutator	11	Prisms (For Spectrometer)
3	Connection wire	12	Resistance Box (Low & High Values)
4	e/m apparatus	13	Rheostats (High And Low Range)
5	Extension cords	14	Scale And Telescope Arrangement
6	Grating	15	Screw Gauge (Lc 0.01mm, 0.005mm)
7	He-ne laser (with power supply)	16	Six Way Key
8	Hollow prism	17	Stop Watch
9	Multimeter	18	Vernier Calipers Lc 0.01cm
DEPARTMENT OF CHEMISTRY			
CHEMICALS			
1	Anatase TiO ₂ (ATNP >99%)	12	Nitric Acid 2.5 L
2	Aluminium (III) nitrate	13	Phenol
3	Cetyl pyridinium chloride	14	Potassium iodide
4	Chromium nitrate	15	Potassium permanganate-500g
5	Cobalt (II) chloride	16	Silver nitrate -25g
6	Eriochrome blackT-25g	17	Sodium carbonate-500 g
7	Ferric alum	18	Sodium hydroxide 500g
8	Ferrous sulphate -500g	19	Sulphuric Acid- 2.5 L
9	Graphene oxide powder/Flakes/ Film	20	Terephthalic acid
10	Mohr salt-500 g	21	Triton X-114
11	Murexide 5g/25g		
GLASSWARES			
1	Beakers -50ml	10	Lid of silica crucible
2	Boiling tubes- borosil	11	Micropipette
3	Burettes- 25ml	12	Silica crucible with lid
4	Burettes-50ml	13	Standard flasks – 100ml x 20
5	Dropping funnel-50ml capacity, joint ST/NS 29/32, PTFE key-1	14	Test tube -20 ml
6	Dropping funnel-50ml capacity, joint ST/NS 14/33, PTFE key-1	15	Test tube -5 ml
7	Glass dessicator vacuum	16	Test tube-10 ml
8	Glass dessicators-ordinary-(small with knob top)	17	Volumetric pipettes-20 ml x 20
9	Glass rod		
OTHER CONSUMABLES			
1	Dialysis membrane filters	6	Filter paper whatmann no. 41- box
2	Dialysis filter membrane bags	7	Filter paper whatmann no-42
3	Filter paper –ordinary – 400 sheets	8	Goggles
4	Filter paper whatmann no- 1 (sheets)- 200	9	High temperature silicone oil (for oil bath)
5	Filter paper whatmann no, 40-box	10	Tissue paper

DEPARTMENT OF ZOOLOGY**CHEMICALS**

1	Acetic acid Glacial 2.5 L	11	Methylene blue 100 ml		
2	Aceto orcein 100 ml	12	Ninhydrin solution 500 ml		
3	Bromo phenol blue solution 100 ml	13	Perchloric acid 500 ml		
4	Butanol 2.5 L	14	Potassium hydroxide 500 g		
5	Diphenyl amine 100 g	15	Potassium iodide 250 g		
6	DNA 10 g	16	Silver nitrate 10 g		
7	Formalin 10 L	17	Sulphuric acid 2.5 L		
8	Glycerine 500 ml	18	WBC diluting fluid 125 ml		
9	Leishman's stain 100 ml	19	RBC Diluting fluid 125 ml		
10	Mercuric chloride 250 g	20	Xylene 500 ml	21	Fuchsin 25 g

GLASSWARES

1	Chromatographic chamber with lid (Medium size)	5	Burette (50 ml)		
2	Cavity slide	6	Pipette (20 ml)		
3	Beakers (50 ml & 250 ml)	7	Conical flask (250 ml)		
4	Cavity block with lid	8	Petri plates	9	Reagent Bottle (500ml)

OTHER ITEMS

1	Bell pins	11	Lancet
2	Black paper roll	12	Magnifying Lens - Typical Hand held lens
3	Berlese Funnel for Extraction (Soil organisms)	13	Modelling Clay
4	Crucible -12 Nos.	14	Porcelain tiles
5	Dissection Tray Large (Plastic)	15	Rubber suction bulb for pipette
6	Dryer- (Hair Dryer for Chromatography)	16	Test tube holder
7	Fen's Respirometer	17	Tissue paper roll
8	Inoculation loop	18	Tooth pick
9	Inoculation loop holder	19	Whatman No.1 filter paper (Sheet with direction of flow marked) for chromatography
10	Laboratory Test Sieve - 0.25 Mm Mesh Size for Soil Sample Filter		

SPECIMENS

1	Amoeba,	11	Leptocoris
2	Ancylostoma	12	Meiosis stages
3	Ascidia	13	Mitosis stages
4	Blastula of frog	14	Nereis
5	chick embryo 24 hr	15	Noctiluca
6	chick embryo 48 hr	16	Obelia colony
7	Frog - skeleton	17	Paramecium,
8	Fruit Bat	18	Prawn
9	Gastrula of frog	19	Shark
10	Honeybee	20	Types of bird feathers

DEPARTMENT OF BOTANY**CHEMICALS**

1	Gallic acid 100g	3	Potassium Chromate (Analytical Grade) 500g
2	Diluent for DNA Extraction (Hi Media) 500g		

OTHER ITEMS

1	Dissection Needles 100 numbers, Steel needles with Plastic base	3	Cover Slips Low quality (1 x 1 cm) Good quality (1 x 1 cm)
2	BOD bottles- Black Borosilicate glass bottles with grounded glass penny head style stoppers. 2 No - 60mL and 3No- 300mL.	4	Water quality analyser to measure pH, emf, Temp, EC, TDS, DO, salinity, colorimeter (abs & %t) and turbidity. - Light weight, portable and should operate on rechargeable battery

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DEPARTMENT OF PHYSICAL EDUCATION				
1	FOOTBALL		12	BATTING GLOVE
2	FOOTBALL BOOT		13	KEEPING GLOVE
3	FOOTBALL NET		14	THIGH GUARD
4	VOLLEY BALL		15	CRICKET WHITES
5	VOLLEY BALL NET		16	RUNNING SPIKES
6	NETBALL		17	JERSEY-SUBLIMATION WITH READY MADE COLLAR, FULL SLEEVE AND HALF SLEEVE, FRONT PIECE SUBLIMATION, MATERIAL- P.P, HONEY COMB, SALEENA
7	NETBALL POST		18	ATHLETIC JERSEY-SLEEV LESS FRONT PIECE SUBLIMATION MATERIAL- P.P, HONEY COMB, SALEENA
8	CRICKRT BAT		19	WRESTLING SHOES
9	CRICKET BALL 4 Pc(SG CLUB)AND 2Pc		20	SINGLET-WRESTLING COSTUME
10	BATTING PAD LIGHT WEIGHT ,MEDIUM AND LARGE		21	KABADDI MAT – RATE PER PIECE (3feet x3feet)
11	KEEPING PAD LIGHT WEIGHT,MEDIUM.			