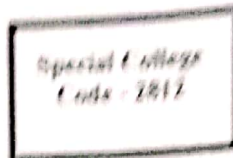





Office of the Principal
Government Mahamaya College
Ratanpur
Distt.- Bilaspur (C.G.)
Pin - 495442

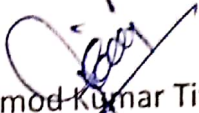


Website: www.gmcraatanpur.ac.in; Phone/ Mobile : 07753-255490, 8962311524, 9300311524
Email: gmc_ratanpur@rediffmail.com; pri-mratanpur.cg@gov.in; col-mratanpur.cg@gov.in

List Of Items Required For Sports Department

Sl.No.	Items	Make
01	Roller Jogger with motor	Nova fit / Phillips / equivalent-
02	Lat Pull Down	Nova fit / Phillips / equivalent-
03	Lat Pull Down Vertical Row	Nova fit / Phillips / equivalent-
04	Arm Curl	Nova fit / Phillips / equivalent-
05	Pectoral	Nova fit / Phillips / equivalent-
06	Leg Extension	Nova fit / Phillips / equivalent-
07	V - Banch Leg Curl	Nova fit / Phillips / equivalent-
08	Shoulder Press	Nova fit / Phillips / equivalent-
09	Seated Dip	Nova fit / Phillips / equivalent-
10	Vertical Row/ Ground Pully	Nova fit / Phillips / equivalent-
11	Weight Assisted Chin/ Dip	Nova fit / Phillips / equivalent-
12	Streching Machine	Nova fit / Phillips / equivalent-
13	Power Rack	Nova fit / Phillips / equivalent-
14	Dumbbels Rack	Nova fit / Phillips / equivalent-
15	Bar Rack	Nova fit / Phillips / equivalent-
16	Plate Rack	Nova fit / Phillips / equivalent-
17	Cricket Mat Full Size	SG / equivalent-


प्रधान
श्यामकीय महामाया महाविद्यालय
रतनपुर (उ.ग.)



(Dr. Pramod Kumar Tiwari)
Sports Officer
Govt. Mahamaya College
Ratanpur (C.G.)

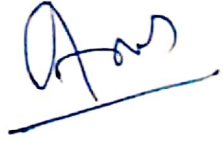
Government Mahamaya College

Ratanpur 495442, Dist.-Bilaspur (CG)

List of Musical Instruments required under RUSA

S.No.	Items	Remark
1	Harmonium	
2	Tabla	
3	Electric/ Electronic Guitar	
4	Electronic Casio	
5	Tanpura	
6	Violin	
7	Drum	
8	Flute	
9	Jhanjh	
10	Manjira	
11	Nal	



प्राचार्य
राष्ट्रीय महामया महाविद्यालय
रतनपुर (छ.प्र.)




Govt. Mahamaya College Ratanpur, Bilaspur
Department Of Physics

SN	Items	Make
1	Maxwel Needle	INSIF/ E&E/ Besto/ Omega
2	Kate's Pendulum	INSIF/ E&E/ Besto/ Omega
3	Torsional Pendulum	INSIF/ E&E/ Besto/ Omega
4	Meldes Apparatus	INSIF/ E&E/ Besto/ Omega
5	K constant spring Apparatus	INSIF/ E&E/ Besto/ Omega
6	Bar Pendulum	INSIF/ E&E/ Besto/ Omega
7	Inert a Table Apparatus	INSIF/ E&E/ Besto/ Omega
8	Study the laws of parallel & perpendicular axis of moment of inertia	INSIF/ E&E/ Besto/ Omega
9	Youngs modulus by bending of beam method	INSIF/ E&E/ Besto/ Omega
10	Youngs modulus using Cantilever Method	INSIF/ E&E/ Besto/ Omega
11	To determine the mechanical equivalent of heat	INSIF/ E&E/ Besto/ Omega
12	To determine the co-efficient of linear expansion	INSIF/ E&E/ Besto/ Omega
13	Bifilar pendulum	INSIF/ E&E/ Besto/ Omega
14	Modulus of Rigidity by Static Method	INSIF/ E&E/ Besto/ Omega
15	Poisson's Ratio of Rubber Tube Apparatus	INSIF/ E&E/ Besto/ Omega
16	Modulus of rigidity by Dynamics Method	INSIF/ E&E/ Besto/ Omega
17	Surface tension by Jaeger's method	INSIF/ E&E/ Besto/ Omega
18	Viscosity by Poiseulles method	INSIF/ E&E/ Besto/ Omega
19	New'ons Law of cooling Apperatus	INSIF/ E&E/ Besto/ Omega
20	Deflection magnetometer	INSIF/ E&E/ Besto/ Omega
21	Use of vibration magnetometer to study a field	INSIF/ E&E/ Besto/ Omega
22	Response curve for LCR circuit and Resonance frequency	INSIF/ E&E/ Besto/ Omega
23	To s'tudy of absorpation spectrum of iodine vapour	INSIF/ E&E/ Besto/ Omega
24	Ccomplete experimental system for Polarized light	INDOSAW SN 1092
25	Spectrometer Kit	INDOSAW SK024/SK001
26	Verif ca ion of Malus Law	INDOSAW SK045
27	Diode LASER diffraction experiments	INDOSAW SK078/SK173
28	Study of optical rotation in sugar solution	INDOSAW SK018
29	New'on s ring Apparatus	INDOSAW SK008
30	Bi pr sm assembly	INSIF/ E&E/ Besto/ Omega
31	Lee's Disc Method.	INSIF/ E&E/ Besto/ Omega
32	Study of Conversion of Mechanical Energy into Heat Using Calendar & Barne's	INSIF/ E&E/ Besto/ Omega
33	Speed of waves on a stretched string	INSIF/ E&E/ Besto/ Omega
34	Determinat on of Dielectric Constant	INSIF/ E&E/ Besto/ Omega
35	UJT characteristics	INSIF/ E&E/ Besto/ Omega
36	Solar cell characteristics	INSIF/ E&E/ Besto/ Omega
37	Transis or characteristics	INSIF/ E&E/ Besto/ Omega
38	SCR characteristics	INSIF/ E&E/ Besto/ Omega
39	Study of half wave and full wave rectification	INSIF/ E&E/ Besto/ Omega
40	Tunnel diode characteristics	INSIF/ E&E/ Besto/ Omega
41	LED characteristics	INSIF/ E&E/ Besto/ Omega
42	Two stage RC coupled Amplifier	INSIF/ E&E/ Besto/ Omega
43	Travelling Microscope Vertical & Horizontal Movement Type	INSIF/ E&E/ Besto/ Omega
44	Screw Gauge 20x1 mm	INSIF/ E&E/ Besto/ Omega

45	Vernier Caliper (L.C. 0.01 cm.)	INSIF/ E&E/ Besto/ Omega
46	Mercury Light complete Set	INSIF/ E&E/ Besto/ Omega
47	Sodium light Source Complete set	INSIF/ E&E/ Besto/ Omega
48	Spiral level	INSIF/ E&E/ Besto/ Omega
49	Reading lens with touch	INSIF/ E&E/ Besto/ Omega
50	Stop watch	INSIF/ E&E/ Besto/ Omega
51	Stop watch (Digital)	INSIF/ E&E/ Besto/ Omega
52	Prism (Crown, Flint, Calcite, Quartz)	INSIF/ E&E/ Besto/ Omega
53	Spherometer Disc type	INSIF/ E&E/ Besto/ Omega
54	Meter Scale	INSIF/ E&E/ Besto/ Omega
55	Analytical weight box	INSIF/ E&E/ Besto/ Omega
56	Slotted weight	INSIF/ E&E/ Besto/ Omega
57	Metal Cylinder	INSIF/ E&E/ Besto/ Omega
58	Metal Cube	INSIF/ E&E/ Besto/ Omega
59	Pendulum Bobs	INSIF/ E&E/ Besto/ Omega
60	Plug Key	INSIF/ E&E/ Besto/ Omega
61	Leclanche cell	INSIF/ E&E/ Besto/ Omega
62	Rheostat	INSIF/ E&E/ Besto/ Omega
63	Resistance box plug key	INSIF/ E&E/ Besto/ Omega
64	Standard cell	Besto Cat No, 908, 939, 1081
65	Magnet	Besto Cat No, 1053, 1054, 1055, 1056
66	Astronomical and Terrestrial Telescope	Besto Cat No, 1536
67	Reading telescope	INSIF/ E&E/ Besto/ Omega
68	Computerised optical experiments	Besto Cat No, 1805
69	Different type of Electronic components	Besto Cat No, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159
70	Cell Substitute	Besto Cat. No. 526, 527
71	Spring Balance Tubular	INSIF/ E&E/ Besto/ Omega
72	Polarizer & Analyser	INSIF/ E&E/ Besto/ Omega
73	Battery Eliminator	INSIF/ E&E/ Besto/ Omega
74	Young Modulus, Rigidity Modulus & Poisson's ratio by forming hyperbolic fringes.	Besto Cat. No. 1575, 1576


 प्राचार्य
 राजसूरीय महामाया महाविद्यालय
 रतनपुर (उ.प्र.)



 Head Of Department Of Physics


DEPARTMENT OF BIOLOGY
LIST OF INSTRUMENTS

S NO	NAME OF INSTRUMENT	SPECIFICATION	AGE	Remarks
1	TRINOCULAR MICROSCOPE (COMPOUND.) (PATHOLOGICAL RESEARCH)	NON-HINGED TYPE WITH LIGHT INTENSITY REGULATOR, EYE PIECE TYPE - COMPENSATING, EYE PIECE - SET OF TWO FOR BINOCULAR 10X OBJECTIVE TYPE - ACHROMATIC objective magnification - 20X, NUMERICAL APERATURE OF OBJECTIVE - 0.5 LAMP FOR ILLUMINATION - HALOGEN WARRANTY - 1 YRS. EXTRA EYEPIECE & (OBJECTIVE US 100X 200X) 2031		
2	BINOCULAR MICROSCOPE (COMPOUND)	MICRON OPTIK BRAND (P.M.C 320) MICROSCOPE TYPE - PATHOLOGICAL NON HINGED TYPE WITH LIGHT INTENSITY REGULATOR. 151 MARK - YES, EYE PIECE TYPE - COMPENSATING. EYE PIECE WITH MAGNIFICATION - SET OF TWO FOR BINOCULAR 10X objective type - achromatic objective magnification - 100X NUMERICAL aperture of objective - 1.25 Type of lamp for illumination - Led WARRANTY - 2 YEARS.		
3	Bacteriological Incubator.	WATER INDEX WAS 22 EIE - 201 DP 216 Type of heater - ceramic, SIZE 82x75x97 CM observation light - 70 1000 Lux Temperature control system - Electronic Heating chamber size (in Liter) - 216 No. of compartment - 3 max. hot case temperature (in °C) - 250 Type of door shutter - shutter Display of hot case temperature - YES operating voltage - 230 AC		
4	Automatic glass slide projector	MODEL . . 35mm German Japan with remote control Auto focussing		
5	pH. Meter	SYSTEMONICS 362		
6	Colorimeter	SYSTEMONICS 115		
7	Digital Electrolysis	SYSTEMONICS 606		

Department of Zoology


S. No.	NAME OF INSTRUMENTS	SPECIFICATION
8	Distillation Unit (Quartz) Stainless steel	Capacity. - 5 Liters. Quartz Boiler & Quartz Condenser
9	SONY CYBER - SHOT DIGITAL CAMERA WITH ATTACHMENT for micro	DSC - HX 80 DIGITAL CAMERA
10	LUX METER	BRAND - KUSAM - MECO & KM. - LUX - 99

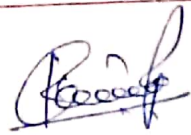

 प्राध्यापक
 शासकीय महाम्बा महाविद्यालय
 रतनपुर (उ.प्र.)


 15-05-19
 [S.D. - Bijesh Kumar]
 Department of Zoology

DEPARTMENT OF BOTANY
LIST OF INSTRUMENTS

S. NO.	NAME OF INSTRUMENTS	SPECIFICATION	REMARKS
1	Autoclave Portable	Modern, MIC 233, Double walled with mist type closing lead, size 300mm x 300mm.	
2	Balance	Modern High precision balance NPB series HPB-310	
3	Constant temperature water bath	Tempo 40 Lt.	
4	Gel electrophoresis	Tarson.	
5	Horizontal Laminar Flow cabinet	Modern MIC 251, whole casing model of cold rolled steel duty powder coated LH-32	
6	Lab Refrigerator	Tempo 1500 Lt.	
7	Laboratory drying oven	Tempo TI-126 Series-216 Lt.	
8	Micro centrifuge	Tarson.	
9	Portable water and soil kit	Capacity 300gm, Accuracy 0.01gm modern - MICET-4, Digital 6 Parameters	
10	Single distillation unit	Borosil 1 Lt/hour	
11	Bacteriological incubator	MIC 121 Thermostatical 455x455x605 mm 125 Lt.	
12	Trinoocular microscope	compound Digital.	
13	Binocular compound microscope	Micron optics Brand BMC 330.	
14	pH meter	Systemics 362	
15	Colosimeter	Systemics 115	
16	Soxhlet		

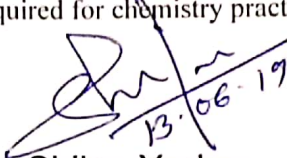

 प्राध्यापक
 रामकीर्ण महात्मावा महाविद्यालय
 रतनपुर (उ.प्र.)



 [डॉ. राजेंद्र कुमार राम]
 सहायक प्रा. - जलक विभाग

Department of Chemistry
List of Practical Instruments

S. No.	Name of articles	Specification
1	weight box	with Analytical weight box (brass)
2	Colorimeter	Systronics 115
3	Chromatographic cabinet	Size 24" x 12" x 24"
4	Conductivity meter	Systronics 306,
5	Crucible	Silica
6	Desiccator	borosil, 300mm
7	pH meter	Systronics 362
8	Water analysis kit	Systronics -371
9	Spectrophotometer	Systronic (166) ,325-1000nm
10	Muffle Furnace	High Temperature
11	Fume hood	Erlab/Esco (ductless)
12	Analytical balance	double pan
13	TLC cabinet	Sigma

Note: All the above instruments are required for chemistry practical.



13.06.19
Mrs. Shilpa Yadav
Assistant Professor (Chemistry)


प्रधान
श्यामजीव महात्मावा महाविद्यालय
रतनपुर (छ.ग.)

Government Mahamaya College, Ratanpur (C.G.) 495442

List of Practical Chemicals

S.NO	Name of Chemical	Specification	
1	Amino acid kit	Qualigens, Merck, Rankem	
2	Benzoyl Chloride	Qualigens, Merck, Rankem	
3	Carbon Tetrachloride	Qualigens, Merck, Rankem	
4	charcoal powder	Qualigens, Merck, Rankem	
5	Fehling Solution A	Qualigens, Merck, Rankem	
6	Fehling Solution B	Qualigens, Merck, Rankem	
7	Nessler Reagent	Qualigens, Merck, Rankem	
8	Ninhydrine	Qualigens, Merck, Rankem	
9	Cerric ammonium nitrate	Qualigens, Merck, Rankem	
10	Ammonium Molybdate	Qualigens, Merck, Rankem	
11	Cadmium Chloride	Qualigens, Merck, Rankem	
12	Cadmium Nitrate	Qualigens, Merck, Rankem	
13	Cobalt Chloride	Qualigens, Merck, Rankem	
14	2,4 Dinitrophenyl Hydrazine	Qualigens, Merck, Rankem	
15	2,4. Dinitro Benzene	Qualigens, Merck, Rankem	
16	Iodine	Qualigens, Merck, Rankem	
17	Mercuric Chloride	Qualigens, Merck, Rankem	
18	Mercurus Nitrate	Qualigens, Merck, Rankem	
19	Silver Nitrate	Qualigens, Merck, Rankem	
20	silver chloride	Qualigens, Merck, Rankem	
21	Sodium Bromide	Qualigens, Merck, Rankem	
22	zinc dust	Qualigens, Merck, Rankem	
23	Sodium Fluoride	Qualigens, Merck, Rankem	
24	Sodium Nitrate	Qualigens, Merck, Rankem	
25	Sodium Phosphate	Qualigens, Merck, Rankem	
26	Stannous Chloride	Qualigens, Merck, Rankem	
27	Succinic Acid	Qualigens, Merck, Rankem	
28	Tartaric Acid	Qualigens, Merck, Rankem	
29	α Naphthylamine	Qualigens, Merck, Rankem	
30	Sodium nitroprusside	Qualigens, Merck, Rankem	


प्रधान
गणतन्त्र महामया महाविद्यालय
रतनपुर (च.ग.)

