



**RAMAKRISHNA MISSION
VIVEKANANDA CENTENARY COLLEGE**

(a Unit of R. K. Mission Boys' Home, Rahara)

P.O. RAHARA, KOLKATA-700118

WEST BENGAL, INDIA

Authenticated list of courses under each program year-wise during 2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
1	UGPHY	B.Sc. Physics (Honours)	UGPHYCC01	Mathematical Physics - I	2021-2022
2	UGPHY	B.Sc. Physics (Honours)	UGPHYCC02	Mechanics	2021-2022
3	UGPHY	B.Sc. Physics (Honours)	UGPHYCC03	Electricity and Magnetism	2021-2022
4	UGPHY	B.Sc. Physics (Honours)	UGPHYCC04	Waves and Optics	2021-2022
5	UGPHY	B.Sc. Physics (Honours)	UGPHYCC05	Mathematical Physics - II	2021-2022
6	UGPHY	B.Sc. Physics (Honours)	UGPHYCC06	Thermal Physics	2021-2022
7	UGPHY	B.Sc. Physics (Honours)	UGPHYCC07	Digital Systems and Applications	2021-2022
8	UGPHY	B.Sc. Physics (Honours)	UGPHYCC08	Mathematical Physics - III	2021-2022
9	UGPHY	B.Sc. Physics (Honours)	UGPHYCC09	Elements of Modern Physics	2021-2022
10	UGPHY	B.Sc. Physics (Honours)	UGPHYCC10	Analog Systems and Applications	2021-2022
11	UGPHY	B.Sc. Physics (Honours)	UGPHYCC11	Quantum Mechanics and Applications	2021-2022
12	UGPHY	B.Sc. Physics (Honours)	UGPHYCC12	Solid State Physics	2021-2022
13	UGPHY	B.Sc. Physics (Honours)	UGPHYCC13	Electromagnetic Theory	2021-2022
14	UGPHY	B.Sc. Physics (Honours)	UGPHYCC14	Statistical Mechanics	2021-2022
15	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE01	Advanced Mathematical Physics - I	2021-2022
16	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE02	Classical Dynamics	2021-2022
17	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE03	Communication Electronics	2021-2022
18	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE04	Advanced Mathematical Physics - II	2021-2022
19	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE05	Nuclear and Particle Physics	2021-2022
20	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE06	Nano Materials and Applications	2021-2022


Principal

**Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118**

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
21	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE07	Dissertation / Project work	2021-2022
22	UGPHY	B.Sc. Physics (Honours)	UGPHYSEC01	Value Education and Indian Culture	2021-2022
23	UGPHY	B.Sc. Physics (Honours)	UGPHYSEC02	Spoken Tutorial	2021-2022
24	UGPHY	B.Sc. Physics (Honours)	UGPHYGE01	Mechanics	2021-2022
25	UGPHY	B.Sc. Physics (Honours)	UGPHYGE02	Thermal Physics and Statistical Mechanics	2021-2022
26	UGPHY	B.Sc. Physics (Honours)	UGPHYGE03	Waves and Optics	2021-2022
27	UGPHY	B.Sc. Physics (Honours)	UGPHYGE04	Electricity and Magnetism	2021-2022
28	UGPHY	B.Sc. Physics (Honours)	UGPHYAECC01	English Communication	2021-2022
29	UGPHY	B.Sc. Physics (Honours)	UGPHYAECC02	Environmental Science	2021-2022
30	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC01	Organic Chemistry 01	2021-2022
31	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC02	Physical Chemistry 01	2021-2022
32	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC03	Inorganic Chemistry 01	2021-2022
33	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC04	Organic Chemistry 02	2021-2022
34	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC05	Physical Chemistry 02	2021-2022
35	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC06	Inorganic Chemistry 02	2021-2022
36	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC07	Organic Chemistry 03	2021-2022
37	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC08	Physical Chemistry 03	2021-2022
38	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC09	Inorganic Chemistry 03	2021-2022
39	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC10	Organic Chemistry 04	2021-2022
40	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC11	Inorganic Chemistry 04	2021-2022
41	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC12	Organic Chemistry 05	2021-2022
42	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC13	Inorganic Chemistry 05	2021-2022
43	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMCC14	Physical Chemistry 04	2021-2022
44	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE01	Advanced Physical Chemistry	2021-2022
45	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE02	Analytical Methods of Chemistry	2021-2022
46	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE03	Green Chemistry	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
47	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE04	Inorganic Materials of Industrial Importance	2021-2022
48	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE05	Industrial Chemicals and Environment	2021-2022
49	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMSEC01	Pharmaceutical Chemistry	2021-2022
50	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMSEC02	Fuel Chemistry	2021-2022
51	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE01	Generic Elective 01	2021-2022
52	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE02	Generic Elective 02	2021-2022
53	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE03	Generic Elective 03	2021-2022
54	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE04	Generic Elective 04	2021-2022
55	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMAECC01	English Communication	2021-2022
56	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMAECC02	Environmental Science	2021-2022
57	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC01	Calculus, Geometry & Differential Equation & Practical	2021-2022
58	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC02	Algebra & Tutorial	2021-2022
59	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC03	Real Analysis & Practical	2021-2022
60	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC04	Differential Equations & Vector Calculus & Practical	2021-2022
61	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC05	Theory of Real Functions & Introduction to Metric Spaces	2021-2022
62	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC06	Group Theory I & Tutorial	2021-2022
63	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC07	Numerical Methods & Practical - Numerical Methods Lab	2021-2022
64	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC08	Riemann Integration and Series of Functions	2021-2022
65	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC09	Multivariate Calculus	2021-2022
66	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC10	Ring Theory and Linear Algebra I	2021-2022
67	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC11	Partial Differential Equations and Applications & Practical	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
68	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC12	GroupTheoryII&Tutorial	2021-2022
69	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC13	MetricSpacesandComplexAnalysis&Tutorial	2021-2022
70	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC14	RingTheoryandLinearAlgebraII&Tutorial	2021-2022
71	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE1	LinearProgramming&Tutorial	2021-2022
72	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE2	ProbabilityandStatistics&Tutorial	2021-2022
73	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE3	Mechanics&Tutorial	2021-2022
74	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE4	BioMathematics&Practical	2021-2022
75	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE5	PointSetTopology&Tutorial	2021-2022
76	UGMATH	B.Sc. Mathematics (Honours)	UGMATHSEC1	LogicandSets	2021-2022
77	UGMATH	B.Sc. Mathematics (Honours)	UGMATHSEC2	Python 3.4.3	2021-2022
78	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE01	Algebra&Tutorial	2021-2022
79	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE02	Calculus,GeometryandDifferentialEquation&Tutorial	2021-2022
80	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE03	NumericalMethods&Tutorial	2021-2022
81	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE04	GroupTheory&Tutorial	2021-2022
82	UGMATH	B.Sc. Mathematics (Honours)	UGMATHAECC01	English Communication	2021-2022
83	UGMATH	B.Sc. Mathematics (Honours)	UGMATHAECC02	Environmental Science	2021-2022
84	UGBOT	B.Sc. Botany (Honours)	UGBOTCC01	Phycology and Microbiology	2021-2022
85	UGBOT	B.Sc. Botany (Honours)	UGBOTCC02	Biomolecules and Cell Biology	2021-2022
86	UGBOT	B.Sc. Botany (Honours)	UGBOTCC03	Mycology and Phytopathology	2021-2022
87	UGBOT	B.Sc. Botany (Honours)	UGBOTCC04	Archegoniate	2021-2022
88	UGBOT	B.Sc. Botany (Honours)	UGBOTCC05	Anatomy of Angiosperms	2021-2022
89	UGBOT	B.Sc. Botany (Honours)	UGBOTCC06	Economic Botany	2021-2022
90	UGBOT	B.Sc. Botany (Honours)	UGBOTCC07	Genetics	2021-2022
91	UGBOT	B.Sc. Botany (Honours)	UGBOTCC08	Molecular Biology	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
92	UGBOT	B.Sc. Botany (Honours)	UGBOTCC09	Plant Ecology and Phytogeography	2021-2022
93	UGBOT	B.Sc. Botany (Honours)	UGBOTCC10	Plant Systematics	2021-2022
94	UGBOT	B.Sc. Botany (Honours)	UGBOTCC11	Reproductive Biology of Angiosperms	2021-2022
95	UGBOT	B.Sc. Botany (Honours)	UGBOTCC12	Plant Physiology	2021-2022
96	UGBOT	B.Sc. Botany (Honours)	UGBOTCC13	Plant Metabolism	2021-2022
97	UGBOT	B.Sc. Botany (Honours)	UGBOTCC14	Plant Biotechnology	2021-2022
98	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE01	Industrial and Environmental Microbiology	2021-2022
99	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE02	Plant Breeding	2021-2022
100	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE03	Biostatistics	2021-2022
101	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE04	Applied Phycology	2021-2022
102	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE05	Research Methodology	2021-2022
103	UGBOT	B.Sc. Botany (Honours)	UGBOTSEC01	Value Education and Indian Culture	2021-2022
104	UGBOT	B.Sc. Botany (Honours)	UGBOTSEC02	Online Course (In collaboration with IIT Bombay)	2021-2022
105	UGBOT	B.Sc. Botany (Honours)	UGBOTGE01	Cryptogamic Botany	2021-2022
106	UGBOT	B.Sc. Botany (Honours)	UGBOTGE02	Biology of Vascular Plants	2021-2022
107	UGBOT	B.Sc. Botany (Honours)	UGBOTGE03	Plant Ecology, Anatomy and Embryology	2021-2022
108	UGBOT	B.Sc. Botany (Honours)	UGBOTGE04	Plant Physiology and Biotechnology	2021-2022
109	UGBOT	B.Sc. Botany (Honours)	UGBOTAEC01	English Communication	2021-2022
110	UGBOT	B.Sc. Botany (Honours)	UGBOTAEC02	Environmental Science	2021-2022
111	UGZOO	B.Sc. Zoology (Honours)	UGZOOCC01	Non-chordates I: Protists to pseudocoelomates	2021-2022
112	UGZOO	B.Sc. Zoology (Honours)	UGZOOCC02	Principles of ecology	2021-2022
113	UGZOO	B.Sc. Zoology (Honours)	UGZOOCC03	Non-chordates II: coelomates	2021-2022
114	UGZOO	B.Sc. Zoology (Honours)	UGZOOCC04	Cell biology	2021-2022

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115	UGZOO	B.Sc. Zoology (Honours)	UGZOCC05	Diversity of chordates	2021-2022
116	UGZOO	B.Sc. Zoology (Honours)	UGZOCC06	Animal physiology: Controlling and coordinating systems	2021-2022
117	UGZOO	B.Sc. Zoology (Honours)	UGZOCC07	Fundamentals of biochemistry	2021-2022
118	UGZOO	B.Sc. Zoology (Honours)	UGZOCC08	Comparative anatomy of vertebrates	2021-2022
119	UGZOO	B.Sc. Zoology (Honours)	UGZOCC09	Animal physiology: Life sustaining systems	2021-2022
120	UGZOO	B.Sc. Zoology (Honours)	UGZOCC10	Biochemistry of metabolic processes	2021-2022
121	UGZOO	B.Sc. Zoology (Honours)	UGZOCC11	Molecular biology	2021-2022
122	UGZOO	B.Sc. Zoology (Honours)	UGZOCC12	PRINCIPLES OF GENETICS	2021-2022
123	UGZOO	B.Sc. Zoology (Honours)	UGZOCC13	Developmental biology	2021-2022
124	UGZOO	B.Sc. Zoology (Honours)	UGZOCC14	Evolutionary biology	2021-2022
125	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_1	Immunology	2021-2022
126	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_2A	Animal behaviour and chronobiology	2021-2022
127	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_2B	Pollination biology	2021-2022
128	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_2C	Project work	2021-2022
129	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_3	Biodiversity and wild life conservation	2021-2022
130	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_4	Computational biology	2021-2022
131	UGZOO	B.Sc. Zoology (Honours)	UGZOGE 1	Animal diversity and systems	2021-2022
132	UGZOO	B.Sc. Zoology (Honours)	UGZOGE 2	Ecology, economic and medical zoology	2021-2022
133	UGZOO	B.Sc. Zoology (Honours)	UGZOGE 3	Biotechnology: microbes to animals	2021-2022
134	UGZOO	B.Sc. Zoology (Honours)	UGZOGE 4	Insect, vectors and diseases	2021-2022
135	UGZOO	B.Sc. Zoology (Honours)	UGZOSEC_1	Value education & indian culture	2021-2022
136	UGZOO	B.Sc. Zoology (Honours)	UGZOSEC_2	Spoken Tutorial from IIT Bombay	2021-2022
137	UGZOO	B.Sc. Zoology (Honours)	UGZOAEECC 01	English Communication	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
138	UGZOO	B.Sc. Zoology (Honours)	UGZOOAECC 02	Environmental Science	2021-2022
139	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC01	Introduction to Microbiology and Microbial Diversity	2021-2022
140	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC02	Bacteriology	2021-2022
141	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC03	Biochemistry	2021-2022
142	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC04	Virology	2021-2022
143	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC05	Microbial Physiology and Metabolism	2021-2022
144	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC06	Cell Biology	2021-2022
145	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC07	Molecular Biology	2021-2022
146	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC08	Microbial Genetics	2021-2022
147	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC09	Environmental Microbiology	2021-2022
148	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC10	Food and Dairy Microbiology	2021-2022
149	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC11	Industrial Microbiology	2021-2022
150	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC12	Immunology	2021-2022
151	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC13	Medical Microbiology	2021-2022
152	UGMCB	B.Sc. Microbiology (Honours)	UGMCBCC14	Recombinant DNA Technology	2021-2022
153	UGMCB	B.Sc. Microbiology (Honours)	UGMCBDSE01	Inheritance Biology	2021-2022
154	UGMCB	B.Sc. Microbiology (Honours)	UGMCBDSE02	Microbial Biotechnology	2021-2022
155	UGMCB	B.Sc. Microbiology (Honours)	UGMCBDSE03	Project Work	2021-2022
156	UGMCB	B.Sc. Microbiology (Honours)	UGMCBDSE04	Instrumentation and Biotechniques	2021-2022
157	UGMCB	B.Sc. Microbiology (Honours)	UGMCBDSE05	Advances in Microbiology	2021-2022
158	UGMCB	B.Sc. Microbiology (Honours)	UGMCBSEC01	Value Education & Indian Culture	2021-2022
159	UGMCB	B.Sc. Microbiology (Honours)	UGMCBSEC02	Online course	2021-2022
160	UGMCB	B.Sc. Microbiology (Honours)	UGMCBGE01	Bacteriology and Virology	2021-2022
161	UGMCB	B.Sc. Microbiology (Honours)	UGMCBGE02	Microbes in Environment	2021-2022
162	UGMCB	B.Sc. Microbiology (Honours)	UGMCBGE03	Industrial & Food Microbiology	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
163	UGMCB	B.Sc. Microbiology (Honours)	UGMCBGE04	Genetic Engineering and Biotechnology	2021-2022
164	UGMCB	B.Sc. Microbiology (Honours)	UGMCBGE05	Microbial Genetics and Molecular Biology	2021-2022
165	UGMCB	B.Sc. Microbiology (Honours)	UGMCBAECC01	English Communication	2021-2022
166	UGMCB	B.Sc. Microbiology (Honours)	UGMCBAECC02	Environmental Science	2021-2022
167	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC01	Programming Fundamentals using C/C++: Theory & Lab	2021-2022
168	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC02	Computer System Architecture: Theory & Lab	2021-2022
169	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC03	Programming in JAVA: Theory & Lab	2021-2022
170	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC04	Discrete Structures: Theory & Tutorial	2021-2022
171	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC05	Data Structures: Theory & Lab	2021-2022
172	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC06	Operating Systems: Theory & Lab	2021-2022
173	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC07	Computer Networks: Theory & Lab	2021-2022
174	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC08	Design and Analysis of Algorithms: Theory & Lab	2021-2022
175	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC09	Software Engineering: Theory & Lab	2021-2022
176	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC10	Database Management Systems: Theory & Lab	2021-2022
177	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC11	Internet Technologies: Theory & Lab	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
178	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC12	Theory of Computation: Theory & Tutorial	2021-2022
179	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC13	Artificial Intelligence: Theory & Lab	2021-2022
180	UGCMS	B.Sc. Computer Science (Honours)	UGCMSCC14	Computer Graphics: Theory & Lab	2021-2022
181	UGCMS	B.Sc. Computer Science (Honours)	UGCMSDSE01	Microprocessor: Theory & Lab	2021-2022
182	UGCMS	B.Sc. Computer Science (Honours)	UGCMSDSE02	Numerical Methods: Theory & Lab	2021-2022
183	UGCMS	B.Sc. Computer Science (Honours)	UGCMSDSE03	Cloud Computing: Theory & Lab	2021-2022
184	UGCMS	B.Sc. Computer Science (Honours)	UGCMSDSE04	Machine Learning: Theory & Lab	2021-2022
185	UGCMS	B.Sc. Computer Science (Honours)	UGCMSDSE05	Data Mining: Theory & Lab	2021-2022
186	UGCMS	B.Sc. Computer Science (Honours)	UGCMSDSE06	Dissertation or Project work	2021-2022
187	UGCMS	B.Sc. Computer Science (Honours)	UGCMSGE01	Computer Fundamentals	2021-2022
188	UGCMS	B.Sc. Computer Science (Honours)	UGCMSGE02	Introduction to Database System	2021-2022
189	UGCMS	B.Sc. Computer Science (Honours)	UGCMSGE03	Programming Fundamentals using C/C++	2021-2022
190	UGCMS	B.Sc. Computer Science (Honours)	UGCMSGE04	Programming in Python	2021-2022
191	UGCMS	B.Sc. Computer Science (Honours)	UGCMSSEC1	Value Education and Indian Culture	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
192	UGCMS	B.Sc. Computer Science (Honours)	UGCMSSEC2	Spoken Tutorial on python	2021-2022
193	UGCMS	B.Sc. Computer Science (Honours)	UGCMSAECC01	English Communication	2021-2022
194	UGCMS	B.Sc. Computer Science (Honours)	UGCMSAECC02	Environmental Science	2021-2022
195	PGCHEM	M.Sc. Chemistry	PGCHEMMCT01	Inorganic Chemistry 01	2021-2022
196	PGCHEM	M.Sc. Chemistry	PGCHEMMCT02	Organic Chemistry 01	2021-2022
197	PGCHEM	M.Sc. Chemistry	PGCHEMMCT03	Physical Chemistry 01	2021-2022
198	PGCHEM	M.Sc. Chemistry	PGCHEMMCP01	Inorganic Chemistry 01 Practical	2021-2022
199	PGCHEM	M.Sc. Chemistry	PGCHEMMCP02	Organic Chemistry 01 Practical	2021-2022
200	PGCHEM	M.Sc. Chemistry	PGCHEMMCP03	Physical Chemistry 01 Practical	2021-2022
201	PGCHEM	M.Sc. Chemistry	PGCHEMMCT04	Inorganic Chemistry 02	2021-2022
202	PGCHEM	M.Sc. Chemistry	PGCHEMMCT05	Organic Chemistry 02	2021-2022
203	PGCHEM	M.Sc. Chemistry	PGCHEMMCT06	Physical Chemistry 02	2021-2022
204	PGCHEM	M.Sc. Chemistry	PGCHEMMCP04	Inorganic Chemistry 02 Practical	2021-2022
205	PGCHEM	M.Sc. Chemistry	PGCHEMMCP05	Organic Chemistry 02 Practical	2021-2022
206	PGCHEM	M.Sc. Chemistry	PGCHEMMCP06	Physical Chemistry 02 Practical	2021-2022
207	PGCHEM	M.Sc. Chemistry	PGCHEMMCT07	Inorganic Chemistry 03	2021-2022
208	PGCHEM	M.Sc. Chemistry	PGCHEMMCT08	Organic Chemistry 03	2021-2022
209	PGCHEM	M.Sc. Chemistry	PGCHEMMCT09	Physical Chemistry 03	2021-2022
210	PGCHEM	M.Sc. Chemistry	PGCHEMMCP07	Inorganic Chemistry 03 Practical	2021-2022
211	PGCHEM	M.Sc. Chemistry	PGCHEMMCP08	Organic Chemistry 03 Practical	2021-2022
212	PGCHEM	M.Sc. Chemistry	PGCHEMMCP09	Physical Chemistry 03 Practical	2021-2022
213	PGCHEM	M.Sc. Chemistry	PGCHEMSCC	Interdisciplinary Adv. Chemistry	2021-2022
214	PGCHEM	M.Sc. Chemistry	PGCHEMOE01	Supramolecular Chemistry	2021-2022
215	PGCHEM	M.Sc. Chemistry	PGCHEMOE02	Medicinal Chemistry	2021-2022

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216	PGCHEM	M.Sc. Chemistry	PGCHEMME01	Advanced Organic Chemistry 01	2021-2022
217	PGCHEM	M.Sc. Chemistry	PGCHEMME02	Advanced Organic Chemistry 02	2021-2022
218	PGCHEM	M.Sc. Chemistry	PGCHEMME03	Advanced Inorganic Chemistry 01	2021-2022
219	PGCHEM	M.Sc. Chemistry	PGCHEMME04	Advanced Inorganic Chemistry 02	2021-2022
220	PGCHEM	M.Sc. Chemistry	PGCHEMME05	Advanced Physical Chemistry 01	2021-2022
221	PGCHEM	M.Sc. Chemistry	PGCHEMME06	Advanced Physical Chemistry 02	2021-2022
222	PGCHEM	M.Sc. Chemistry	PGCHEMOT01	Project and Presentation	2021-2022
223	PGCHEM	M.Sc. Chemistry	PGCHEMOT02	Grand Viva and Seminar	2021-2022
224	PGCHEM	M.Sc. Chemistry	PGCHEMSOC01	Yoga	2021-2022
225	PGCHEM	M.Sc. Chemistry	PGCHEMSOC02	Communicative English	2021-2022
226	PGCHEM	M.Sc. Chemistry	PGCHEMSOC03	VECC	2021-2022
227	PGCHEM	M.Sc. Chemistry	PGCHEMSOC04	Computer For Chemists	2021-2022
228	PGBOT	M.Sc. Botany	PGBOTCC1.1 (Th)	Phycology + Microbiology	2021-2022
229	PGBOT	M.Sc. Botany	PGBOTCC1.2 (Th)	Mycology + Plant Pathology	2021-2022
230	PGBOT	M.Sc. Botany	PGBOTCC1.3 (Th)	Biostatistics + Biophysics	2021-2022
231	PGBOT	M.Sc. Botany	PGBOTCC1.4 (Th)	Ecology + Evolution	2021-2022
232	PGBOT	M.Sc. Botany	PGBOTCC1.5 (Pr)	Phycology + Microbiology	2021-2022
233	PGBOT	M.Sc. Botany	PGBOTCC1.6 (Pr)	Mycology + Plant Pathology	2021-2022
234	PGBOT	M.Sc. Botany	PGBOTCC2.1 (Th)	Plant Anatomy + Developmental Biology	2021-2022
235	PGBOT	M.Sc. Botany	PGBOTCC2.2 (Th)	Taxonomy of Angiosperms + Embryology of Seed Plants	2021-2022
236	PGBOT	M.Sc. Botany	PGBOTCC2.3 (Th)	Biochemistry & Metabolism + Plant Physiology	2021-2022
237	PGBOT	M.Sc. Botany	PGBOTCC2.4 (Th)	Environmental Science + System Biology	2021-2022
238	PGBOT	M.Sc. Botany	PGBOTCC2.5 (Pr)	Taxonomy + Plant Anatomy	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
239	PGBOT	M.Sc. Botany	PGBOTCC2.6 (Pr)	Biochemistry + Plant Physiology	2021-2022
240	PGBOT	M.Sc. Botany	PGBOTCC3.1 (Th)	Cell & Molecular Biology	2021-2022
241	PGBOT	M.Sc. Botany	PGBOTCC3.2 (Th)	Genetics & Genomics	2021-2022
242	PGBOT	M.Sc. Botany	PGBOTCC3.3 (Th)	Plant Biotechnology & Recombinant DNA technology	2021-2022
243	PGBOT	M.Sc. Botany	PGBOTCC3.4 (Th)	Allied Elective	2021-2022
244	PGBOT	M.Sc. Botany	PGBOTCC3.5 (Pr)	Plant Biotechnology	2021-2022
245	PGBOT	M.Sc. Botany	PGBOTCC3.6 (Pr)	Cytology and Molecular Biology	2021-2022
246	PGBOT	M.Sc. Botany	PGBOTCC4.1 (Th)	Research Methodology & Bio-Instrumentation	2021-2022
247	PGBOT	M.Sc. Botany	PGBOTCC4.2 (Th)	Phytochemistry & Herbal Technology	2021-2022
248	PGBOT	M.Sc. Botany	PGBOTME4.3A (Th)	Genetics and Plant Biotechnology - I (Major Elective)	2021-2022
249	PGBOT	M.Sc. Botany	PGBOTME4.4A (Pr)	Genetics and Plant Biotechnology - I (Major Elective)	2021-2022
250	PGBOT	M.Sc. Botany	PGBOTME4.3B (Th)	Diversity and Ecology of algae (Major Elective)	2021-2022
251	PGBOT	M.Sc. Botany	PGBOTME4.4B (Pr)	Advanced phycology and algal biotechnology (Major Elective)	2021-2022
252	PGBOT	M.Sc. Botany	PGBOTME4.3C (Th)	Taxonomy of Angiosperms (Major Elective)	2021-2022
253	PGBOT	M.Sc. Botany	PGBOTME4.4C (Pr)	Taxonomy of Angiosperms (Major Elective)	2021-2022
254	PGBOT	M.Sc. Botany	PGBOTSOC1	Yoga	2021-2022
255	PGBOT	M.Sc. Botany	PGBOTSOC2	Communicative English	2021-2022
256	PGBOT	M.Sc. Botany	PGBOTSOC3	Value Education and Indian Culture	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
257	PGBOT	M.Sc. Botany	PGBOTSOC4	IPR/ Biosafety management / Post-harvest management of crops	2021-2022
258	PGMATH	M.Sc. Mathematics	PGMATHCC101	Algebra-I	2021-2022
259	PGMATH	M.Sc. Mathematics	PGMATHCC102	Real Analysis	2021-2022
260	PGMATH	M.Sc. Mathematics	PGMATHCC103	Complex Analysis	2021-2022
261	PGMATH	M.Sc. Mathematics	PGMATHCC104	Ordinary & Partial Differential Equations	2021-2022
262	PGMATH	M.Sc. Mathematics	PGMATHCC105	Numerical Analysis	2021-2022
263	PGMATH	M.Sc. Mathematics	PGMATHCC106	Computer Programming in C++ and Numerical Practical using GNU Octave/Scilab /Matlab	2021-2022
264	PGMATH	M.Sc. Mathematics	PGMATHSS01	YOGA	2021-2022
265	PGMATH	M.Sc. Mathematics	PGMATHCC201	Algebra-II	2021-2022
266	PGMATH	M.Sc. Mathematics	PGMATHCC202	Measure and Integration	2021-2022
267	PGMATH	M.Sc. Mathematics	PGMATHCC203	General Topology	2021-2022
268	PGMATH	M.Sc. Mathematics	PGMATHCC204	Classical Mechanics & Theory of Relativity	2021-2022
269	PGMATH	M.Sc. Mathematics	PGMATHCC205	Linear Algebra & Multivariate Calculus	2021-2022
270	PGMATH	M.Sc. Mathematics	PGMATHCC206	Integral transforms and Integral Equations	2021-2022
271	PGMATH	M.Sc. Mathematics	PGMATHSS02	Communicative English	2021-2022
272	PGMATH	M.Sc. Mathematics	PGMATHCC301	Functional Analysis	2021-2022
273	PGMATH	M.Sc. Mathematics	PGMATHCC302	Dynamical System Analysis	2021-2022
274	PGMATH	M.Sc. Mathematics	PGMATHCE301	Advanced Real Analysis-I	2021-2022
275	PGMATH	M.Sc. Mathematics	PGMATHCE302	Advanced Complex Analysis-I	2021-2022
276	PGMATH	M.Sc. Mathematics	PGMATHCE303	Algebraic Topology-I	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
277	PGMATH	M.Sc. Mathematics	PGMATHCE304	Differential Manifold-I	2021-2022
278	PGMATH	M.Sc. Mathematics	PGMATHCE305	Cosmology-I	2021-2022
279	PGMATH	M.Sc. Mathematics	PGMATHCE306	Mathematical Biology-I	2021-2022
280	PGMATH	M.Sc. Mathematics	PGMATHCE307	Operation Research-I	2021-2022
281	PGMATH	M.Sc. Mathematics	PGMATHCE308	Continuum Mechanics(Solid)-I	2021-2022
282	PGMATH	M.Sc. Mathematics	PGMATHAE301	Programming in PYTHON & LaTeX	2021-2022
283	PGMATH	M.Sc. Mathematics	PGMATHSS03	VE & IC	2021-2022
284	PGMATH	M.Sc. Mathematics	PGMATHCC401	Number theory	2021-2022
285	PGMATH	M.Sc. Mathematics	PGMATHCC402	Discrete Mathematics	2021-2022
286	PGMATH	M.Sc. Mathematics	PGMATHCE401	Advanced Real Analysis-II	2021-2022
287	PGMATH	M.Sc. Mathematics	PGMATHCE402	Advanced Complex Analysis-II	2021-2022
288	PGMATH	M.Sc. Mathematics	PGMATHCE403	Algebraic Topology-II	2021-2022
289	PGMATH	M.Sc. Mathematics	PGMATHCE404	Differential Manifold-II	2021-2022
290	PGMATH	M.Sc. Mathematics	PGMATHCE405	Cosmology-II	2021-2022
291	PGMATH	M.Sc. Mathematics	PGMATHCE406	Mathematical Biology-II	2021-2022
292	PGMATH	M.Sc. Mathematics	PGMATHCE407	Operation Research-II	2021-2022
293	PGMATH	M.Sc. Mathematics	PGMATHCE408	Continuum Mechanics(Fluid)-II	2021-2022
294	PGMATH	M.Sc. Mathematics	PGMATHCC403	Project Work** (Viva Voce + Dissertation)	2021-2022
295	PGMATH	M.Sc. Mathematics	PGMATHSS04	Seminar Presentation	2021-2022
296	PGZOO	M.Sc. Zoology	PGZOOCC 1.1T	Diversity and biology of Nonchordates	2021-2022
297	PGZOO	M.Sc. Zoology	PGZOOCC 1.2T	Diversity and biology of Chordates	2021-2022
298	PGZOO	M.Sc. Zoology	PGZOOCC 1.3T	Cell biology & Instrumentations	2021-2022
299	PGZOO	M.Sc. Zoology	PGZOOCC 1.4T	Genetics	2021-2022
300	PGZOO	M.Sc. Zoology	PGZOOCC 1.5P	Structures & systems of organisms	2021-2022
301	PGZOO	M.Sc. Zoology	PGZOOCC 1.6P	Tools & techniques in biological study	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
320	PGZOO	M.Sc. Zoology	PGZOOCC 4.2T	Bioinformatics and Computational Biology	2021-2022
321	PGZOO	M.Sc. Zoology	PGZOOCC 4.3T	Bio python and LaTeX	2021-2022
322	PGZOO	M.Sc. Zoology	PGZOOEC 4.4T -1B	Elective paper -Entomology	2021-2022
323	PGZOO	M.Sc. Zoology	PGZOOEC 4.4T -2B	Elective paper -Cellular and Molecular Biology	2021-2022
324	PGZOO	M.Sc. Zoology	PGZOOCC 4.5P	Phylogenetics, Biostatistics and Bioinformatics	2021-2022
325	PGZOO	M.Sc. Zoology	PGZOOEC 4.6P -1B	Submission of final dissertation and practical of elective paper Entomology	2021-2022
326	PGZOO	M.Sc. Zoology	PGZOOEC 4.6P -2B	Submission of final dissertation and practical of elective paper - Cellular and Molecular Biology	2021-2022
327	PGZOO	M.Sc. Zoology	PGZOOSOC 4	Fundamentals of remote sensing and GIS	2021-2022
328	PHDMATH	Ph.D. in Mathematics	PHDMATH01	Research Methodology	2021-2022
329	PHDMATH	Ph.D. in Mathematics	PHDMATH02	Computer Applications	2021-2022
330	PHDMATH	Ph.D. in Mathematics	PHDMATH03	Literature review	2021-2022
331	PHDMATH	Ph.D. in Mathematics	PHDMATH04	Algebraic Topology	2021-2022
332	PHDMATH	Ph.D. in Mathematics	PHDMATH05	Complex Analysis	2021-2022
333	PHDMATH	Ph.D. in Mathematics	PHDMATH06	Cosmology	2021-2022
334	PHDZOO	Ph.D. in Zoology	PHDZOO 01	Research Methodology	2021-2022
335	PHDZOO	Ph.D. in Zoology	PHDZOO 02	Computer Applications	2021-2022
336	PHDZOO	Ph.D. in Zoology	PHDZOO 03	Literature review	2021-2022
337	PHDZOO	Ph.D. in Zoology	PHDZOO 04	Tools and techniques in molecular biology and biochemistry	2021-2022

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
338	PHDZOO	Ph.D. in Zoology	PHDZOO 05	Pharmacology and Toxicology	2021-2022
339	PHDZOO	Ph.D. in Zoology	PHDZOO 06	Anti-Microbial Defence	2021-2022
340	PHDZOO	Ph.D. in Zoology	PHDZOO 07	Ecology, Environment and animal behaviour	2021-2022
341	PHDZOO	Ph.D. in Zoology	PHDZOO 08	Bioinformatics and computational Biology	2021-2022
342	PHDBOT	Ph.D. in Botany	PHDBOT01	Research Methodology	2021-2022
343	PHDBOT	Ph.D. in Botany	PHDBOT02	Computer Applications	2021-2022
344	PHDBOT	Ph.D. in Botany	PHDBOT03	Literature Survey and Related Topic	2021-2022
345	PHDBOT	Ph.D. in Botany	PHDBOT04	Advance Level Elective Course	2021-2022


Principal
 Ramakrishna Mission
 Vivekananda Centenary College
 Rahara, Kolkata-700 118