



**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 2017-2018

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
1	UGPHY	B.Sc. Physics (Honours)	UGPHYCC01	Mathematical Physics - I	2017-2018
2	UGPHY	B.Sc. Physics (Honours)	UGPHYCC02	Mechanics	2017-2018
3	UGPHY	B.Sc. Physics (Honours)	UGPHYCC03	Electricity and Magnetism	2017-2018
4	UGPHY	B.Sc. Physics (Honours)	UGPHYCC04	Waves and Optics	2017-2018
5	UGPHY	B.Sc. Physics (Honours)	UGPHYCC05	Mathematical Physics - II	2017-2018
6	UGPHY	B.Sc. Physics (Honours)	UGPHYCC06	Thermal Physics	2017-2018
7	UGPHY	B.Sc. Physics (Honours)	UGPHYCC07	Digital Systems and Applications	2017-2018
8	UGPHY	B.Sc. Physics (Honours)	UGPHYCC08	Mathematical Physics - III	2017-2018
9	UGPHY	B.Sc. Physics (Honours)	UGPHYCC09	Elements of Modern Physics	2017-2018
10	UGPHY	B.Sc. Physics (Honours)	UGPHYCC10	Analog Systems and Applications	2017-2018
11	UGPHY	B.Sc. Physics (Honours)	UGPHYCC11	Quantum Mechanics and Applications	2017-2018
12	UGPHY	B.Sc. Physics (Honours)	UGPHYCC12	Solid State Physics	2017-2018
13	UGPHY	B.Sc. Physics (Honours)	UGPHYCC13	Electromagnetic Theory	2017-2018
14	UGPHY	B.Sc. Physics (Honours)	UGPHYCC14	Statistical Mechanics	2017-2018
15	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE01	Advanced Mathematical Physics - I	2017-2018
16	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE02	Classical Dynamics	2017-2018
17	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE03	Communication Electronics	2017-2018
18	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE04	Advanced Mathematical Physics - II	2017-2018
19	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE05	Nuclear and Particle Physics	2017-2018


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20	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE06	Nano Materials and Applications	2017-2018
21	UGPHY	B.Sc. Physics (Honours)	UGPHYDSE07	Dissertation / Project work	2017-2018
22	UGPHY	B.Sc. Physics (Honours)	UGPHYSEC01	Value Education and Indian Culture	2017-2018
23	UGPHY	B.Sc. Physics (Honours)	UGPHYSEC02	Spoken Tutorial	2017-2018
24	UGPHY	B.Sc. Physics (Honours)	UGPHYGE01	Mechanics	2017-2018
25	UGPHY	B.Sc. Physics (Honours)	UGPHYGE02	Thermal Physics and Statistical Mechanics	2017-2018
26	UGPHY	B.Sc. Physics (Honours)	UGPHYGE03	Waves and Optics	2017-2018
27	UGPHY	B.Sc. Physics (Honours)	UGPHYGE04	Electricity and Magnetism	2017-2018
28	UGPHY	B.Sc. Physics (Honours)	UGPHYAECC01	English Communication	2017-2018
29	UGPHY	B.Sc. Physics (Honours)	UGPHYAECC02	Environmental Science	2017-2018
30	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC01	Organic Chemistry 01	2017-2018
31	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC02	Physical Chemistry 01	2017-2018
32	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC03	Inorganic Chemistry 01	2017-2018
33	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC04	Organic Chemistry 02	2017-2018
34	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC05	Physical Chemistry 02	2017-2018
35	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC06	Inorganic Chemistry 02	2017-2018
36	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC07	Organic Chemistry 03	2017-2018
37	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC08	Physical Chemistry 03	2017-2018
38	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC09	Inorganic Chemistry 03	2017-2018
39	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC10	Organic Chemistry 04	2017-2018
40	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC11	Inorganic Chemistry 04	2017-2018
41	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC12	Organic Chemistry 05	2017-2018
42	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC13	Inorganic Chemistry 05	2017-2018
43	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMCC14	Physical Chemistry 04	2017-2018
44	UGCCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE01	Advanced Physical Chemistry	2017-2018

Sl. No.	Program code	Program name	Course code	Course name	Year of offering
45	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE02	Analytical Methods of Chemistry	2017-2018
46	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE03	Green Chemistry	2017-2018
47	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE04	Inorganic Materials of Industrial Importance	2017-2018
48	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMDSE05	Industrial Chemicals and Environment	2017-2018
49	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMSEC01	Pharmaceutical Chemistry	2017-2018
50	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMSEC02	Fuel Chemistry	2017-2018
51	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE01	Generic Elective 01	2017-2018
52	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE02	Generic Elective 02	2017-2018
53	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE03	Generic Elective 03	2017-2018
54	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMGE04	Generic Elective 04	2017-2018
55	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMAECC01	English Communication	2017-2018
56	UGCEM	B.Sc. Chemistry (Honours)	UGCHEMAECC02	Environmental Science	2017-2018
57	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC01	Calculus, Geometry & Differential Equation & Practical	2017-2018
58	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC02	Algebra & Tutorial	2017-2018
59	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC03	Real Analysis & Practical	2017-2018
60	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC04	Differential Equations & Vector Calculus & Practical	2017-2018
61	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC05	Theory of Real Functions & Introduction to Metric Spaces	2017-2018
62	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC06	Group Theory I & Tutorial	2017-2018
63	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC07	Numerical Methods & Practical - Numerical Methods Lab	2017-2018
64	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC08	Riemann Integration and Series of Functions	2017-2018

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65	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC09	MultivariateCalculus	2017-2018
66	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC10	RingTheoryandLinearAlgebraI	2017-2018
67	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC11	PartialDifferentialEquationsandApplications&Practical	2017-2018
68	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC12	GroupTheoryII&Tutorial	2017-2018
69	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC13	MetricSpacesandComplexAnalysis&Tutorial	2017-2018
70	UGMATH	B.Sc. Mathematics (Honours)	UGMATHCC14	RingTheoryandLinearAlgebraII&Tutorial	2017-2018
71	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE1	LinearProgramming&Tutorial	2017-2018
72	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE2	ProbabilityandStatistics&Tutorial	2017-2018
73	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE3	Mechanics&Tutorial	2017-2018
74	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE4	BioMathematics&Practical	2017-2018
75	UGMATH	B.Sc. Mathematics (Honours)	UGMATHDSE5	PointSetTopology&Tutorial	2017-2018
76	UGMATH	B.Sc. Mathematics (Honours)	UGMATHSEC1	LogicandSets	2017-2018
77	UGMATH	B.Sc. Mathematics (Honours)	UGMATHSEC2	Python 3.4.3	2017-2018
78	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE01	Algebra&Tutorial	2017-2018
79	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE02	Calculus,GeometryandDifferentialEquation&Tutorial	2017-2018
80	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE03	NumericalMethods&Tutorial	2017-2018
81	UGMATH	B.Sc. Mathematics (Honours)	UGMATHGE04	GroupTheory&Tutorial	2017-2018
82	UGMATH	B.Sc. Mathematics (Honours)	UGMATHAECC01	English Communication	2017-2018
83	UGMATH	B.Sc. Mathematics (Honours)	UGMATHAECC02	Environmental Science	2017-2018
84	UGBOT	B.Sc. Botany (Honours)	UGBOTCC01	Phycology and Microbiology	2017-2018
85	UGBOT	B.Sc. Botany (Honours)	UGBOTCC02	Biomolecules and Cell Biology	2017-2018
86	UGBOT	B.Sc. Botany (Honours)	UGBOTCC03	Mycology and Phytopathology	2017-2018

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87	UGBOT	B.Sc. Botany (Honours)	UGBOTCC04	Archegoniate	2017-2018
88	UGBOT	B.Sc. Botany (Honours)	UGBOTCC05	Anatomy of Angiosperms	2017-2018
89	UGBOT	B.Sc. Botany (Honours)	UGBOTCC06	Economic Botany	2017-2018
90	UGBOT	B.Sc. Botany (Honours)	UGBOTCC07	Genetics	2017-2018
91	UGBOT	B.Sc. Botany (Honours)	UGBOTCC08	Molecular Biology	2017-2018
92	UGBOT	B.Sc. Botany (Honours)	UGBOTCC09	Plant Ecology and Phytogeography	2017-2018
93	UGBOT	B.Sc. Botany (Honours)	UGBOTCC10	Plant Systematics	2017-2018
94	UGBOT	B.Sc. Botany (Honours)	UGBOTCC11	Reproductive Biology of Angiosperms	2017-2018
95	UGBOT	B.Sc. Botany (Honours)	UGBOTCC12	Plant Physiology	2017-2018
96	UGBOT	B.Sc. Botany (Honours)	UGBOTCC13	Plant Metabolism	2017-2018
97	UGBOT	B.Sc. Botany (Honours)	UGBOTCC14	Plant Biotechnology	2017-2018
98	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE01	Industrial and Environmental Microbiology	2017-2018
99	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE02	Plant Breeding	2017-2018
100	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE03	Biostatistics	2017-2018
101	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE04	Applied Phycology	2017-2018
102	UGBOT	B.Sc. Botany (Honours)	UGBOTDSE05	Research Methodology	2017-2018
103	UGBOT	B.Sc. Botany (Honours)	UGBOTSEC01	Value Education and Indian Culture	2017-2018
104	UGBOT	B.Sc. Botany (Honours)	UGBOTSEC02	Online Course (In collaboration with IIT Bombay)	2017-2018
105	UGBOT	B.Sc. Botany (Honours)	UGBOTGE01	Cryptogamic Botany	2017-2018
106	UGBOT	B.Sc. Botany (Honours)	UGBOTGE02	Biology of Vascular Plants	2017-2018
107	UGBOT	B.Sc. Botany (Honours)	UGBOTGE03	Plant Ecology, Anatomy and Embryology	2017-2018
108	UGBOT	B.Sc. Botany (Honours)	UGBOTGE04	Plant Physiology and Biotechnology	2017-2018
109	UGBOT	B.Sc. Botany (Honours)	UGBOTAEC01	English Communication	2017-2018

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110	UGBOT	B.Sc. Botany (Honours)	UGBOTAEC02	Environmental Science	2017-2018
111	UGZOO	B.Sc. Zoology (Honours)	UGZOCC01	Non-chordates I: Protists to pseudocoelomates	2017-2018
112	UGZOO	B.Sc. Zoology (Honours)	UGZOCC02	Principles of ecology	2017-2018
113	UGZOO	B.Sc. Zoology (Honours)	UGZOCC03	Non-chordates II: coelomates	2017-2018
114	UGZOO	B.Sc. Zoology (Honours)	UGZOCC04	Cell biology	2017-2018
115	UGZOO	B.Sc. Zoology (Honours)	UGZOCC05	Diversity of chordates	2017-2018
116	UGZOO	B.Sc. Zoology (Honours)	UGZOCC06	Animal physiology: Controlling and coordinating systems	2017-2018
117	UGZOO	B.Sc. Zoology (Honours)	UGZOCC07	Fundamentals of biochemistry	2017-2018
118	UGZOO	B.Sc. Zoology (Honours)	UGZOCC08	Comparative anatomy of vertebrates	2017-2018
119	UGZOO	B.Sc. Zoology (Honours)	UGZOCC09	Animal physiology: Life sustaining systems	2017-2018
120	UGZOO	B.Sc. Zoology (Honours)	UGZOCC10	Biochemistry of metabolic processes	2017-2018
121	UGZOO	B.Sc. Zoology (Honours)	UGZOCC11	Molecular biology	2017-2018
122	UGZOO	B.Sc. Zoology (Honours)	UGZOCC12	PRINCIPLES OF GENETICS	2017-2018
123	UGZOO	B.Sc. Zoology (Honours)	UGZOCC13	Developmental biology	2017-2018
124	UGZOO	B.Sc. Zoology (Honours)	UGZOCC14	Evolutionary biology	2017-2018
125	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_1	Immunology	2017-2018
126	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_2A	Animal behaviour and chronobiology	2017-2018
127	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_2B	Pollination biology	2017-2018
128	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_2C	Project work	2017-2018
129	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_3	Biodiversity and wild life conservation	2017-2018
130	UGZOO	B.Sc. Zoology (Honours)	UGZOODSE_4	Computational biology	2017-2018
131	UGZOO	B.Sc. Zoology (Honours)	UGZOOGE 1	Animal diversity and systems	2017-2018

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132	UGZOO	B.Sc. Zoology (Honours)	UGZOOGE 2	Ecology, economic and medical zoology	2017-2018
133	UGZOO	B.Sc. Zoology (Honours)	UGZOOGE 3	Biotechnology: microbes to animals	2017-2018
134	UGZOO	B.Sc. Zoology (Honours)	UGZOOGE 4	Insect, vectors and diseases	2017-2018
135	UGZOO	B.Sc. Zoology (Honours)	UGZOOSEC_1	Value education & indian culture	2017-2018
136	UGZOO	B.Sc. Zoology (Honours)	UGZOOSEC_2	Spoken Tutorial from IIT Bombay	2017-2018
137	UGZOO	B.Sc. Zoology (Honours)	UGZOOAECC 01	English Communication	2017-2018
138	UGZOO	B.Sc. Zoology (Honours)	UGZOOAECC 02	Environmental Science	2017-2018
139	PGCHEM	M.Sc. Chemistry	CHEM(G)-11	Inorganic Chem. Genl-1	2017-2018
140	PGCHEM	M.Sc. Chemistry	CHEM(G)-12	Organic Chem. Genl-1	2017-2018
141	PGCHEM	M.Sc. Chemistry	CHEM(G)-13	Physical Chem. Genl-1	2017-2018
142	PGCHEM	M.Sc. Chemistry	CHEM(G)-21	Inorganic Chem. Genl-2	2017-2018
143	PGCHEM	M.Sc. Chemistry	CHEM(G)-22	Organic Chem. Genl-2	2017-2018
144	PGCHEM	M.Sc. Chemistry	CHEM(G)-23	Physical Chem. Genl-2	2017-2018
145	PGCHEM	M.Sc. Chemistry	CHEM(G)-31	Advanced General Chem.-1	2017-2018
146	PGCHEM	M.Sc. Chemistry	CHEM(G)-32	Advanced General Chem.-2	2017-2018
147	PGCHEM	M.Sc. Chemistry	CHEM(G)-33	Biol. Aspects of Chemistry	2017-2018
148	PGCHEM	M.Sc. Chemistry	CHEM(IS/OS/PS)-41	Special Theo.-1	2017-2018
149	PGCHEM	M.Sc. Chemistry	CHEM(IS/OS/PS)-42	Special Theo.-1	2017-2018
150	PGCHEM	M.Sc. Chemistry	CHEM(IS/OS/PS)-43	Special Theo.-1	2017-2018
151	PGBOT	M.Sc. Botany	BOTA-1.1	Algology + Bryology	2017-2018
152	PGBOT	M.Sc. Botany	BOTA-1.2	Mycology + Plant Pathology + Microbiology	2017-2018
153	PGBOT	M.Sc. Botany	BOTA-1.3	Biomaths & Biostatistics + Biophysics + Chemistry for Plant Biology	2017-2018
154	PGBOT	M.Sc. Botany	BOTA-1.4	Practical	2017-2018

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155	PGBOT	M.Sc. Botany	BOTA-2.1	Pteridophyte, Gymnosperm, Palaeobotany, Palynology	2017-2018
156	PGBOT	M.Sc. Botany	BOTA-2.2	Taxonomy of Angiosperms + Anatomy and Developmental Biology	2017-2018
157	PGBOT	M.Sc. Botany	BOTA-2.3	Plant Physiology & Biochemistry + Systems Biology	2017-2018
158	PGBOT	M.Sc. Botany	BOTA-2.4	Practical	2017-2018
159	PGBOT	M.Sc. Botany	BOTA-3.1	Cell & Molecular Biology	2017-2018
160	PGBOT	M.Sc. Botany	BOTA-3.2	Genetics	2017-2018
161	PGBOT	M.Sc. Botany	BOTA-3.3	Plant Biotechnology & RDT	2017-2018
162	PGBOT	M.Sc. Botany	BOTA-3.4	Pharmacognosy, Ecology & Biodiversity	2017-2018
163	PGBOT	M.Sc. Botany	BOTA-3.5	Practical	2017-2018
164	PGBOT	M.Sc. Botany	BOTA-4.1	Special Paper (Plant Genetics & Biotechnology/Phycology/Taxonomy & Systematics)	2017-2018
165	PGBOT	M.Sc. Botany	BOTA-4.2	Practical	2017-2018
166	PGBOT	M.Sc. Botany	BOTA-4.3	Project & Seminar	2017-2018
167	PHDBOT	Ph.D. in Botany	PHDBOT01	Research Methodology	2017-2018
168	PHDBOT	Ph.D. in Botany	PHDBOT02	Computer Applications	2017-2018
169	PHDBOT	Ph.D. in Botany	PHDBOT03	Literature Survey and Related Topic	2017-2018
170	PHDBOT	Ph.D. in Botany	PHDBOT04	Advance Level Elective Course	2017-2018


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