

## SECTION – 3

### SCIENCE COURSES

#### FACULTY OF SCIENCE

Course wise Details of Eligibility for Application, Courses of Study, Eligibility of Requirement and No. of Seats.

Courses bearing following Sl. NO. 1 to 28 are offered directly in University Departments and Courses bearing Sl.No.29 to 76 are offered by the different UG colleges affiliated of this University.

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
	<b>M.Sc. / M.A.</b>					
1	Physics	PH1	01	221	70+4	At least 55% marks in B.Sc. Hons. in Physics or its equiv.
2	Chemistry	CH1	04	222	70+4	At least 55% marks in B.Sc. Hons. in Chemistry with Mathematics as one of the General Subject or its equiv.
3	Applied Mathematics	AM	06	223	44+3	At least 55% marks in B.Sc. Hons. in Mathematics or its equiv.
4	Pure Mathematics	PM	06	224	70+4	At least 55% marks in B.Sc. Hons. in Mathematics or its equiv.
5	Psychology	PS1	05	225	42+3	At least 55% marks in B.A./ B. Sc. Hons. in Psychology or its equiv.
6	Applied Psychology	APS1	05	226	42+3	At least 55% marks in B.A./B.Sc. Hons. in Psychology or its equiv.
7	Human Physiology	HPL1	07	227	39+2	At least 55% marks in B.Sc. Hons. in Physiology or its equiv.
8	Zoology	ZOO1	12	228	70+4	At least 55% marks in B.Sc. Hons. in Zoology or its equiv.
9	Botany	BOT1	10	229	50+3	At least 55% marks in B.Sc. Hons. in Botany or its equiv.
10	Anthropology	AN	20	230	28+2	At least 55% marks in B.Sc. Hons. in Anthropology or its equiv.
11	Geography	GG1	15	231	120+7	At least 55% marks in B.Sc. / B.A. Hons. in Geography or its equiv.
12	Statistics	ST	13	232	35+2	At least 55% marks in B.Sc. Hons. in Statistics / B. Stat. or its equiv. All the candidates, both C.U. and Non-C.U. (Both Part A &Part B) have to appear in the Entrance Test.
13	Microbiology	MI1	11	233	15+1	At least 55% marks in B.Sc. Hons. in Microbiology or its equiv.
14	Computer & Information Science	CIS1	03	234	30+2	At least 55% marks in B.Sc. Hons. in Computer Science or its equiv. All the candidates, both C.U. and Non-C.U. (Both Part A &Part B) have to appear in the Entrance Test.
15	Electronic Science	ES1	02, 01	235	25+2	At least 55% marks in B.Sc. Hons. in Electronics / Physics or its equiv.

16	<p><b>Applied Geology: AGL1 Group No. 14 Code: 236 SEAT: 28+2 Dept.: Geology</b>  <b>Eligibility:</b>  i) At least 55% marks in B.Sc. Hons in Geology.</p>
17	<p><b>Bio-Chemistry: *BC Group No. 16 Code: 237 SEAT: 60+4 Dept.: Biochemistry</b>  <b>Eligibility:</b>  <b>At least 55% marks in B.Sc. Hons. in Chemistry / Biochemistry/ Physics / Zoology/Botany/ Physiology / Microbiology / Anthropology / Environmental Science / any Life Sc. or its equiv.</b> All the candidates should have Chemistry as one of the General subjects (except the candidates with Hons. in Chemistry / Bio Chemistry) at the under Graduate level. All the candidates should have 60% marks in aggregate in Physics, Chemistry, and Mathematics at 10+2 level.  Part A : 60% of total seat is earmarked for C.U. BC Hons current year candidates. Part B : 40% of total seat is open to all for both C.U. &amp; Non C.U. current year &amp; previous year BC Hons&amp; other eligible Hons. candidates.</p>
18	<p><b>Marine Science: * MS Group No. 22 Code: 238 SEAT : 22+2</b>  <b>Eligibility:</b>  At least 55% marks in B.Sc. Hons. in Chemistry/Biochemistry and Hons. in Zoology / Botany / Geology / Physiology / Microbiology / Anthropology / Environmental Science / Physics or its equiv. All the candidates should have 60% marks in aggregate in Physics, Chemistry, and Mathematics at 10+2 level.</p>
19	<p><b>Bio-Physics Molecular Biology : * BMB Group No. 08 Code: 239 SEAT:20+2</b>  <b>Eligibility:</b>  B.Sc. Hons. in Physics / Chemistry / Zoology / Botany / Physiology / Biochemistry / Microbiology / Life Sciences / Anthropology / Environmental Science / MBBS / B.Tech in Biotechnology / B. Pharm or equivalent. All the candidates must have At least 55% marks in B.Sc. (Hons.) and at least 60 % marks in each in Biology, Physics, Chemistry, and Mathematics / Statistics at (10+2) level. All the candidates, both C.U. and Non-C.U. (Both Part A &amp;Part B) have to appear in the common Entrance Test.</p>
20	<p><b>Bio-Technology: * BT Group No. 17 Code: 241 SEAT: 14+2</b>  <b>Eligibility:</b>  <b>B.Sc. Hons. in any Life Science subjects/Physics with Chemistry as one of the General Subject at UG Level; B.Sc.Hons. in Chemistry/Biochemistry /Anthropology/ Environmental Science/or its equiv./ Bachelor in Agricultural Science, B.Tech in Biotechnology, M.B.B.S. All the candidates should have at least 55% marks in B.Sc. (Hons) and at least 60% marks in avg. in best 3 subjects in science group at (10+2) level.</b></p>
21	<p><b>Genetics: * GN Group NO. 09 Code: 242 SEAT: 10+1</b>  <b>Eligibility:</b>  B.Sc. Hons. in Anthropology, Botany, Zoology, Chemistry, Biochemistry, Microbiology, / Environmental Science / Physics or Physiology or its equiv.All the candidates should have Chemistry as one of the General subjects (except the candidates with Hons in Chemistry / Bio Chemistry/Genetics) at the under Graduate level. The candidates with M.B.B.S./B.Sc. (Ag) / BDS are also eligible.  All the candidates should have At least 55% marks in B.Sc. (Hons.) and at least 60% marks on average in best three subjects in Science Group at (10+2) level.</p>
22	<p><b>Neuro Science : * NS Group No. 24 Code 243 Seat : 13+2</b>  <b>Eligibility:</b>  <b>B.Sc. Hons. in any Life Science Subjects/Chemistry/Biochemistry/Anthropology/Environmental Science/Physics/Mathematics/Computer Science/Informatics</b>  <b>All the above candidates should have Chemistry as one of the General Subjects except the candidates with Hons. in Chemistry/Biochemistry. M.B.B.S, Graduates from Pharmacy / Pharmacology are also eligible. All the candidates should have At least 55% marks in B.Sc. (Hons.) and at least 60% marks on average in best three subjects in Science Group at -(10+2) level.</b></p>

23	<p><b>Environmental Science: * ENV1 Group No. 18 Code: 244 SEAT: 15+1</b></p> <p><b>Eligibility:</b></p> <p>At least 55% marks in B.Sc. Hons. in a Science subject including Anthropology with Chemistry as one of the General subject except candidates with Hons in Chemistry and Biochemistry).</p> <p>At least 60% marks in average in best three subjects in Science Group at (10+2) level.</p> <p>Part A : 60% of the total seat is earmarked for C.U. Env. Sc.(Hons ) current year candidate</p> <p>Part B : 40% of the total seat is open to all both C.U. &amp; NonC.U., Current Year &amp; Previous Year, Env. Sc. (Hons) and other eligible Hons.</p>
24	<p><b>Atmospheric Science: AS Group No. 19 Code: 245 SEAT: 15+1</b></p> <p><b>Eligibility:</b></p> <p>At least 55% marks in B.Sc. Hons. in Physics, Mathematics, Chemistry, Statistics, Environmental Science and Meteorology or its equiv. The applicants are required to have Physics and Mathematics as Genl. subjects (if not as Honours) at the undergraduate level and at least 60% marks in average with Physics, Chemistry and Mathematics at (10+2) level.</p>
25	<p><b>Exercise Physiology ** SE Group No. 27 Code: 246 SEAT: 14+2</b></p> <p><b>Eligibility: At least 55% marks in B.Sc. Hons in all branches of Sciences including Physiology and all allied subjects of Life Sciences, Physics, Chemistry, and Mathematics. M.B.B.S/ B.Sc. (Ag) and allied graduates are also eligible. All candidates should have Science subjects in Higher Secondary level.</b></p>
26	<p><b>Sports Biochemistry ** SB Group No. 27 Code: 247 SEAT: 14+2</b></p> <p><b>Eligibility: At least 55% marks in B.Sc. Hons in all branches of Sciences including Physiology and all allied subjects of Life Sciences, Physics, Chemistry and Mathematics. All candidates should have Science subjects in Higher Secondary level. M.B.B.S/ B.Sc. (Ag) and allied graduates are also eligible.</b></p>
27	<p><b>Sports Nutrition** SN Group No. 27 Code: 248 SEAT: 14+2</b></p> <p><b>Eligibility: At least 55% marks in B.Sc. Hons in all branches of Sciences including Physiology and all allied subjects of Life Sciences, Physics, Chemistry and Mathematics. All candidates should have Science subjects in Higher Secondary level. M.B.B.S/B.Sc. (Ag) and allied graduates are also eligible.</b></p>
28	<p><b>Sports Physiotherapy ** SP Group No. 27 Code: 249 SEAT: 14+2</b></p> <p><b>Eligibility: At least 55% marks in B.Sc. Hons in all branches of Sciences/Agri. Science/allied medical including Bachelor degree in Physiotherapy/Physical Education. All candidates should have Science subjects in Higher Secondary level.</b></p>

**N.B. : + Seat(s) incurred for OBC candidates**

\* A Common Entrance Test will be conducted for the 7 (seven) courses as stated below :

i) Gr-8 Biophysics & Molecular Biology (BMB), ii) Gr-9 Genetics (GN), iii) Gr-16 Biochemistry (BC), iv) Gr-17 Biotechnology (BT), v) Gr-18 Environmental Science (ENV1, ENV2), vi) Gr-22 Marine Science (MS) and vii) Gr-24 Neuro Science (NS)

Common Entrance Test of MCQ type covering the fields of Physics, Chemistry, Mathematics, and Biology of (10+2) level.

**\*\* A Separate MCQ type Entrance Test for Four (4) Sports Science Courses to be conducted covering of all fields of Life Sciences and all Natural Sciences**

**Courses bearing Sl.No.29 to 76 are offered by the different UG colleges affiliated to this University.**

Sl. No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
	<b>M.Sc./M.A.</b>					
29	Botany in Bethune College	BOT2	10		21	At least 55% marks in B.Sc. Hons. in Botany or its equivalent. <b>For Female Candidates.</b>
30	Botany in Scottish Charge College	BOT3	10		20	<b>At least 50% marks in B.Sc. Hons. in Botany or its equivalent</b>
31	Botany in Jogomaya devi College	BOT4	10		22	<b>B.Sc. Hons. in Botany or its equivalent. For Female Candidates.</b>
32	Botany in Srerampore College	BOT5	10		20	<b>B.Sc. Hons. in Botany or its equivalent</b>
33	Botany in Lady Brabourne College	BOT6	10		15	<b>At least 55% marks in B.Sc. Hons. in Botany or its equivalent. For Female Candidates.</b>
34	Chemistry in Scottish Church College	CH2	4		30	<b>At least 50% marks in B.Sc. Hons. in Chemistry or its equivalent.</b>
35	Chemistry in Behala College	CH3	4		25	<b>At least 55% marks in B.Sc. Hons. in Chemistry or its equivalent.</b>
36	Chemistry in Lady Brabourne College	CH4	4		20	<b>At least 50% marks in B.Sc. Hons. in Chemistry or its equivalent. For Female Candidates.</b>
37	Computer Science in Ashutosh College	CIS2	3		25	<b>B.Sc. Hons. in Computer Sc. or its equivalent</b>
38	Computer Science in Sarsuna College	CIS3	3		30	<b>At least 50% marks in B.Sc. Hons. in Computer Sc. or its equivalent</b>
39	Computer Science in Surendranath College	CIS4	3		20	<b>B.Sc. Hons. in Computer Sc. or its equivalent</b>
40	Electronics Science in Dinabandhu Andrews College	ES2	2		24	<b>B.Sc. Hons. in Electronics / Physics or its equivalent</b>
41	Environmental Science in Asutosh College	ENV2	18		30	At least 45% marks in B.Sc. Hons. in a Science subject including Anthropology with Chemistry as one of the General subject except candidates with Hons in Chemistry and Biochemistry)
42	Food & Nutrition in Womens' College, Kolkata	FN2	25		22	<b>B.Sc. Hons. in Food &amp; Nutrition or its equivalent. For Female Candidates.</b>
43	Geography in Lady Braborne College	GG2	15		27	<b>At least 50% marks in B.Sc. Hons. in Geography or its equivalent. For Female Candidates.</b>
44	Geography in Asutosh College	GG3	15		31	<b>At least 50% marks in B.Sc. Hons. in Geography or its equivalent</b>
45	Geography in Vidyasagar College	GG4	15		60	<b>B.Sc. Hons. in Geography or its equivalent</b>
46	Geography in Vivekananda College for Women	GG5	15		28	<b>At least 55% marks in B.Sc. Hons. in Geography or its equivalent</b>
47	Geography in Sarsuna College	GG6	15		20	<b>At least 50% marks in B.Sc. Hons. in Geography or its equivalent</b>
48	Geography in Bijoykrishna Girls' College, Howrah	GG7	15		39	<b>At least 45% marks in B.Sc. Hons. in Geography or its equivalent. For Female Candidates.</b>
49	Geography in Prabhu Jagatbandhu College, Andul	GG8	15		22	<b>B.Sc. Hons. in Geography or its equivalent</b>
50	Geography in Women's College, Kolkata	GG9	15		25	<b>B.Sc. Hons. in Geography or its equivalent. For Female Candidates.</b>

Sl.No.	Courses	Abbreviation	Group No.	Code No.	No. of Seats	Minimum Eligibility
51	Applied Geology in Ashutosh College	AGL2	14		25	<b>B.Sc. Hons. in Geology or its equivalent</b>
52	Human Physiology in Rammohan College	HPL2	7		25	<b>B.Sc. Hons. in Physiology or its equivalent</b>
53	Human Physiology in Serampore College	HPL3	7		20	<b>B.Sc. Hons. in Physiology or its equivalent</b>
54	Mathematics in Lady Braborne College	MATH3	6		30	<b>At least 45% marks in B.Sc. Hons. in Mathematics or its equivalent. For Female Candidates.</b>
55	Mathematics in Bethune College	MATH4	6		16	<b>At least 45% marks in B.Sc. Hons. in Mathematics or its equivalent. For Female Candidates.</b>
56	Mathematics in Narasingha Dutta College	MATH5	6		24	<b>At least 45% marks in B.Sc. Hons. in Mathematics or its equivalent</b>
57	Mathematics in Bangabasi Evening College	MATH6	6		26	<b>B.Sc. Hons. in Mathematics or its equivalent</b>
58	Mathematics in Fakir Chand College	MATH7	6		38	<b>B.Sc. Hons. in Mathematics or its equivalent</b>
59	Mathematics in Behala College	MATH8	6		27	<b>B.Sc. Hons. in Mathematics or its equivalent</b>
60	Mathematics in Prabhu Jagatbandhu College	MATH9	6		27	<b>B.Sc. Hons. in Mathematics or its equivalent</b>
61	Mathematics in Uluberia College	MATH10	6		27	<b>B.Sc. Hons. in Mathematics or its equivalent</b>
62	Microbiology in Vijaygarh Jyotish Ray College	MI2	11		37	<b>B.Sc. Hons. in Microbiology or its equivalent</b>
63	Microbiology in Lady Braborne College	MI3	11		25	<b>At least 55% marks in B.Sc. Hons. in Microbiology or its equivalent. For Female Candidates.</b>
64	Physics in Lady Braborne College	PH2	1		15	<b>At least 50% marks in B.Sc. Hons. in Physics or its equivalent. For Female Candidates.</b>
65	Physics in Gurudas College	PH3	1		20	<b>B.Sc. Hons. in Physics or its equivalent</b>
66	Applied Psychology in Bethune College	APS2	5		10	<b>At least 55% marks in B.Sc. Hons. in Psychology or its equivalent. For Female Candidates.</b>
67	Applied Psychology in Womens' College, Kolkata	APS3	5		22	<b>B.Sc. Hons. in Psychology or its equivalent. For Female Candidates.</b>
68	Zoology in Dinabandhu Andrews College	Z002	12		55	<b>B.Sc. Hons. in Zoology or its equivalent</b>
69	Zoology in Moulana Azad College	Z003	12		28	<b>At least 55% marks in B.Sc. Hons. in Zoology or its equivalent</b>
70	Zoology in Bangabasi College	Z004	12		27	<b>At least 55% marks in B.Sc. Hons. in Zoology or its equivalent</b>
71	Zoology in Vidyasagar College	Z005	12		60	<b>B.Sc. Hons. in Zoology or its equivalent</b>
72	Zoology in Bethune College	Z006	12		21	<b>At least 55% marks in B.Sc. Hons. in Zoology or its equivalent. For Female Candidates.</b>
73	Zoology in Asutosh College	Z007	12		30	<b>At least 50% marks in B.Sc. Hons. in Zoology or its equivalent</b>
74	Zoology in Serampore College	Z008	12		25	<b>B.Sc. Hons. in Zoology or its equivalent</b>
75	Zoology in Lady Brabourne College	Z009	12		15	<b>At least 55% marks in B.Sc. Hons. in Zoology or its equivalent. For Female Candidates.</b>
76	Zoology in Gurudas College	Z0010	12		20	<b>B.Sc. Hons. in Zoology or its equivalent</b>

**N. B.: The number of seats and the breakup of seats of PG courses in UG Colleges are tentative and might differ after verification.**