



S. P. Mandali's
Ramnarain Ruia Autonomous College Mumbai
Revised Entrance Exam Schedule
for Admission for M.Sc Part I: Semester I –Bioanalytical Sciences,
Biochemistry, Life Sciences and M.A Part I: Semester I- Clinical
Psychology
ACADEMIC YEAR 2024-25

Candidates seeking admission for Masters Programme (2024-25) at Ramnarain Ruia Autonomous College are hereby notified that:

A. Admission to the following programs will be on the basis of an Entrance test

- a. M.Sc in Bioanalytical Sciences
- b. M.Sc Biochemistry
- c. M.Sc Life Sciences
- d. M.A Clinical Psychology

B. Schedule of the Entrance Tests:

Subject	Date	Time
Bioanalytical Sciences	4 th June 2024	11.00 am-1.00 pm
Clinical Psychology	4 th June 2024	11.00 am-12.00 pm
Life Science	5 th June 2024	9.00 am-10.00 am
Biochemistry	5 th June 2024	12.00pm- 1.00 pm

- C. The seating arrangement for the entrance test (wherever applicable) will be displayed on college notice board on the day of entrance test. Candidates are hence requested to report 45 minutes prior to the entrance examination.
- D. Candidates are supposed to carry the hard copy of admission form and original Aadhaar card as identity proof for the entrance test.

E. Admission to the following programs will be on the basis of Semester V marks (No Entrance).

- a. M.Sc Biotechnology
- b. M.Sc Botany
- c. M.Sc Chemistry
- d. M.Sc Computer Science
- e. M.Sc Information Technology
- f. M.Sc Microbiology
- g. M.Sc Physics
- h. M.Sc Zoology

F. The eligibility for Masters programs and Entrance exam syllabi are as follows:

Subject	Basic Eligibility	Admission Eligibility	Syllabus for the entrance test	Total Marks
Bioanalytical Sciences	<p>B.Sc. in Chemistry with minimum 62 credits OR B.Sc. in Botany/Zoology/Microbiology/Life science/Biotechnology/Biochemistry with minimum 30 credits in Chemistry</p> <p>In case student has less than 30 credits in Chemistry, completion of a 2 credit Chemistry Bridge course with a minimum passing grade, after admission to Master's Program is mandatory.</p>	Entrance Test	<p>General awareness to modern scientific development, Analytical Chemistry, Physical Chemistry, Inorganic Chemistry</p> <p>Organic Chemistry, General Biochemistry, Principles of Genetics, Basic Chemistry of nucleic acids and proteins</p> <p>Basic Principles of Instrumentation, Basic Microbiology, Basic Physics</p> <p>Basic Mathematics, Basic Botany, Basic Zoology, Advances in Biotechnology</p>	100
Biochemistry	<p>Student should have Chemistry as a subject till the S.Y.B.Sc class, along with any of the Biological sciences subject AND Student should be a Graduate in the subject of Chemistry /</p>	Entrance Test	<p>Basics of Chemistry Structure and chemistry of biomolecules Cell biology Instrumentation Metabolism Enzymology Genetics and Molecular biology Immunology Physiology</p>	50

	Biochemistry / Any of the Biological sciences		Nutrition Biostatistics	
Biotechnology	B.Sc. Biotechnology (120 credits in Biotechnology) with minimum 30 credits in Chemistry.	Semester V Marks	-	-
Botany	B.Sc. (Botany) minimum 46 credits in Botany. In case of double major or triple major, decision of equivalence committee and if needed Bridge course for selected students	Semester V Marks	-	-
Chemistry (Organic/ Inorganic/ Physical/ Analytical)	B.Sc. in Chemistry with minimum 62 credits . In case of double major or triple major, decision of equivalence committee and if needed Bridge course for selected students .	Semester V Marks	-	-
Computer Science	B.Sc. (CS/IT) minimum 120 credits in CS/IT	Semester V Marks	-	-
Information technology	B.Sc. (CS/IT) minimum 120 credits in CS/IT	Semester V Marks	-	-
Life Science	BSc Biological Sciences [Life Sciences (6 units as well as 3 units), Biotechnology, Zoology, Botany, Microbiology, Environmental Sciences, Bioanalytical sciences and Biochemistry.] with minimum of 46 credits in the respective subject. For double major or triple major decision will be taken by College Academic	Entrance Test	BSc Life Science syllabi- Neuroscience, Plant & Animal Developmental Biology & Physiology, Biostatistics Immunology, Bioinformatics Biochemistry in Life Processes, Evolutionary Biology, Ecosystem Conservation & Management, Genetics & Genetic Engineering, Fermentation Technology.	50

	equivalence committee.			
Microbiology	B.Sc. (Microbiology) with minimum 46 credits in Microbiology. For double major or triple major decision will be taken by College Academic equivalence committee	Semester V Marks	-	-
Physics	B.Sc. with Physics major subject and minimum 62 credits in Physics	Semester V Marks	-	-
Zoology	B.Sc. in Zoology (major) with minimum 46 credits. For double major or triple major decision will be taken by College Academic equivalence committee.	Semester V Marks	-	-
Clinical Psychology	B.A/ B.Sc. Psychology with minimum 40 credits	Entrance Test	<p>(A) Basic features of DSM-5</p> <p>(B) Theoretical Perspectives in Abnormal Psychology:</p> <ul style="list-style-type: none"> - Biological - Psychodynamic - Behavioral - Cognitive - Sociocultural - Biopsychosocial <p>(C) Psychological Disorders</p> <p>(Symptoms, Types, Factors, Interventions)</p> <ul style="list-style-type: none"> - Anxiety disorders - Obsessive Compulsive disorder - Dissociative and Somatic Symptom disorder - Depressive and Bipolar disorder - Schizophrenia and Other Psychotic disorders - Personality disorders 	50

			<ul style="list-style-type: none">- Paraphilic disorders- Sexual dysfunctions and Gender dysphoria (D) Nature of Psychological tests <ul style="list-style-type: none">- Norms- Reliability- Validity	
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Please Note: In case of any deviation in the eligibility, the College Equivalence Committee has the authority to verify and endorse the eligibility of the candidate.

Sd/-

Principal