

FACULTY OF SCIENCE

Sr. No.	Name of the Course
1.	<u><i>Bachelor of Science (B.Sc.)</i></u>
2.	Bachelor of Science (Home Science)
3.	Bachelor of Science (B.Sc.) (Computer Science)
4.	Bachelor of Science (Information Technology) (B.Sc. I.T.)
5.	Bachelor of Science (Bio-Technology)
6.	<u><i>B.Sc.(Hospitality Studies) degree Course – As per UGC list its called Hotel Management</i></u>
7.	Bachelor of Science (Nautical Sciences)
8.	Bachelor of Science (Aviation)
9.	Bachelor of Science Programme in Aeronautics(Avionics) &
10.	Bachelor of Science programme in Aeronautics (Mechanical)
11.	B.Sc. Mari-time Sciences
12.	B.Sc. in Sports Management Degree Course
13.	B.Sc. Mari-time Hospitality Studies
14.	B.Sc. in Forensic Science

15.	<u>Master of Science (M.Sc.) Degree Course</u>
16.	M.Sc. (Home Science)
17.	M.Sc. (Home Science) degree Course in Food Processing and Preservation
18.	M.Sc. (Home Science) degree Course Sports Nutrition
19.	Five Year Integrated M.Sc. Degree in Basic Sciences
20.	Five Year Integrated Course in M.Sc. in Bioanalytical Sciences
21.	Five Year Integrated Course in M.Sc. degree Course in Computer Science
22.	M.Sc. (Bio-Chemistry) By Research
23.	M.Sc. Bioanalytical Sciences
24.	M.Sc. Degree Course in Herbal Science
25.	M.Sc. degree Course in Bio-analytical Instrumentation
26.	M.Sc. degree Course in Bio-Informatics
27.	M.Sc. in Nano-Science and Nano Technology
28.	M.Sc. in Environmental Sciences
29.	M.Sc. degree Course in Nutraceuticals
30.	Post B.Sc. Diploma in Computer Science and Application
31.	Certificate/Diploma/Advance Course in Bio-technology (Vocational)
32.	Certificate/Diploma/Advance Course in Molecular Microbiology (Vocational)
33.	Certificate Course in Bio-informatics
34.	Certificate Course in Primary Care Paramedics
35.	Certificate Course in Sensor Networks

* **XXX** COURSE ARE AVAILABLE IN THE GAZETTE OF INDIA PUBLISHED BY AUTHORITY, NEW DELHI, SATURDAY, JULY 5 – JULY 11, 2014 (ASADHA 14, 1936)

36.	Diploma in Industrial Toxicology Course
37.	Diploma in Aspects of Bio-Technology
38.	Diploma Course in Analytical Instrumentation
39.	Diploma Course in Electronics
40.	Diploma in Cosmetics and Perfumery Technology
41.	Diploma in Computerized Data Processing and Management Information System
42.	Diploma in Environmental Pollution Control Technology (D.E.P.C.T.)
43.	Post-Graduate Diploma in Environmental Technology
44.	Post-Graduate Diploma in Dietetics and Applied Nutrition
45.	Post-Graduate Diploma in Food Processing and Preservation
46.	Post Graduate Diploma Course in Horticulture
47.	Post-Graduate Diploma in Industrial Chemical Process Operations (P.G.D.I.C.P.O.)
48.	Post Graduate Diploma in Environmental Pollution Analysis and Control
49.	Post-Graduate Diploma Course in Perfumery and Cosmetics Management
50.	Post Graduate Diploma in Techniques in Chemical Industry (PGDTICI)
51.	One Year Post-Graduate Diploma Course in Remote Sensing Technology and Geographic Information Systems
52.	Post-Graduate Diploma in Energy Audit and Alternative Energy Sources
53.	Post-Graduate Diploma in Analytical Techniques
54.	Post-Graduate Diploma in Actuarial Science
55.	Post-Graduate Diploma in Information Technology
56.	Post-Graduate Advanced Diploma in Naval Architecture and Shipbuilding
57.	Post-Graduate Diploma in Applied, Statistics with Software
58.	Post-Graduate Diploma in Digital Composting and Visual Effects (PGDDCVE)
59.	Post Graduate Diploma in Digital and Cyber Forensic and related Law
60.	Post Graduate Diploma in Forensic Science and related Law

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61.	Post Graduate Diploma in Clinical Studies, Data Management and Medical Writing
62.	Post-Graduate Diploma in Bio-nanotechnology
63.	P.G. Diploma in Biopharmaceut-ical Production and Quality Control
64.	Certificate Course in Bio-culture Techniques
65.	Short-term Under-Graduate Courses Viz. 1) Industrial Chemistry 2) Polymers Chemistry & Processing 3) Environment & Industry
66.	Certificate Course in Agro Products Processing
67.	Certificate Course in Medical Social Worker
68.	Certificate Course in Food Nutrition & Health
69.	Diploma Course in Computer DTP, Multimedia Web Page Technician A) Computer Technician B) DTP Technician C) Multimedia Technician D) Web Page Technician
70.	M.Sc. (By Research)

FACULTY OF SCIENCE

Sr.No.	Name of the courses	Ordinance No.	MINIMUM ADMISSION REQUIREMENTS	Duration	Circular No.
1.	Bachelor of Science (B.Sc.)	O.2145	<p>A candidate for being eligible for admission to the three year integrated course leading to the degree of Bachelor of Science (B.Sc.) must have passed the Higher Secondary School Certificate examination (Std. XII) conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, in the following subjects :-</p> <p>(A) <u>Subject No.</u> <u>Subject Title</u></p> <p>Science 01 English (Higher or Lower Level) 100 marks Stream (General)</p> <p>02 <u>Any one</u> of the Modern Indian Languages OR Modern Foreign Languages OR any Classical Language (Higher Level OR Lower Level) OR Information Technology 100 marks</p> <p>03 to 06 <u>Four other subjects</u> from among the subjects mentioned below carrying a total of 400 marks</p> <p style="text-align: center;"><u>OR</u></p> <p><u>Three other subjects</u> from among the subjects mentioned below carrying a total of <u>300 marks and one more subject</u> from among the remaining optional subjects carrying 100 marks as prescribed for the HSC (Std.XII) examination.</p>		No.UG/394 of 2004 , Dated 6 th September, 2004

			<p style="text-align: center;"><u>List of subjects (03 to 06)</u></p> <p style="text-align: center;">i Physics ii Chemistry iii Biology iv Mathematics and Statistics v Geography vi. Economics vii Geology viii Psychology</p> <p style="text-align: center;">OR</p> <p>(B) <u>Subject No.</u> <u>Subject Title</u></p> <p>Vocational Stream Must have pass the Higher Secondary School certificate (HSC)(Std.XII) examination with vocational subjects conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, in the following subjects :-</p> <p>01 English (Higher or Lower Level) 100 marks</p> <p>02 to <u>Any One</u> vocational subject carrying 200</p> <p>03 marks (from among 19 subjects) prescribed for the HSC (Std.XII) examination under the Technical Group, Commercial Group, Agriculture Group Catering & Food Technology Group and Fisheries Group)</p>		
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Further that the students, passing the HSC (Std.XII) examination with the MCVC stream shall be eligible for admission to F.Y.B.Sc. for certain subject combinations only depending on their subjects (04 to 06) of the MCVC stream as specified in the following table.:-

<u>Sr.No.</u>	<u>MCVP Group</u>	Any three of the following subjects to be offered at <u>F.Y.B.Sc.</u>
01.	Engineering Technology Group	Physics, Chemistry, Mathematics, Statistics Geology, Geography, Computer Science Information Technology
02.	Agriculture Group	Chemistry, Botany, Zoology, Life Sciences, Biochemistry, Bio-Technology Microbiology, Geography, Geology
03.	Fisheries Group	Chemistry, Botany, Zoology , Life Sciences Biochemistry, Bio-Technology, Microbiology ,Geography Geology
04.	Paramedical Group	Chemistry, Botany, Zoology, Life Sciences Biochemistry, Bio-Technology, Microbiology ,Geography Geology

			<p>05. Catering & Food Technology</p> <p>Chemistry, Botany, Zoology, Life Sciences, Biochemistry, Bio-Technology, Microbiology, Geography, Geology, Economics</p> <p>Students of this MCVC Group shall also be eligible for admission to the F.Y.B.Sc. of B.Sc. (Home Science) Degree course.</p> <p>OR</p> <p>(D) Must have passed an examination of another University</p> <p>OR</p> <p>Body or Board recognized as equivalent to the HSC (Std. XII) Examination conducted by the Maharashtra Secondary and Higher Secondary Education, Pune,</p> <p>OR</p> <p>(E) Must have passed the First Year Science Examination of the Year B.Sc. degree Course of this University or an Examination of any other University recognized as equivalent Thereto</p> <p>OR</p> <p>(F) Must have passed at list the Second Year Examination of the Post S.S.C. (Std. X) Three Year Engineering Diploma course or the 4th Semester of 6th Semester Engineering Diploma Course conducted by approved by recognized by affiliated to the Maharashtra Board of Technical Education or another Body Board recognized as equivalent thereto.</p> <p>Further, that such students of Engineering Diploma courses shall be eligible to offer <u>any three</u> of the following subjects for admission to the F.Y.B.Sc. :-</p> <p>Physics, Chemistry, Mathematics, Statistics, Computer Science, Information Technology, Geology, Geography, Economics .</p>		
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	S.Y.B.Sc.	O.3933	<p>A candidate for being eligible for admission to the Second Year B.Sc. course commencing from June, 1981, and thereafter must have (1) either kept terms for the First Year B.Sc. course in the academic year commencing from June, 1980 and thereafter and have passed the First Year B.Sc. examination or (2) have kept terms for the First Year B.Sc. course in the academic year commencing from June 1980 and thereafter and have failed at the First Year B.Sc. examination in heads* of passing carrying not more than 200 marks in which case he will required to appear for the First Year examination in the remaining heads in which he was failed either previously or simultaneously with the Second Year examination, his result of the Second Year examination will not be declared unless he has passed in the remaining subjects of the first Year examination in accordance with the provision of O.213.</p> <p style="text-align: center;">OR</p> <p>A candidate who has passed post S.S.C.(Std.X) Three Year Engineering /Technology Diploma course is eligible for direct admission to Second Year of the B.Sc. degree course.</p> <p style="text-align: center;">OR</p> <p>A candidate who has passed post H.S.C. Diploma (one year after XII Std.) of Maharashtra State Board of Technical Education or A.I.C.T.E. approved or any other recognized Government body in Information Technology/Computer Technology /Computer Engineering /Computer Science /Electrical, Electronics and Video Engineering and Allied Branches/Mechanical and Allied Branches/Production and Allied Branches/Chemical and Allied Branches is eligible for direct admission to the Second Year of the B.Sc. degree course.</p>		No.UG/12 of 2009, Dated 7 th January, 2009
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			<p>Further that such students of Engineering/Technology courses should offer Foundation Course II and <u>any two</u> of the following subject at S.Y.B.Sc.: -</p> <p>Physics, Chemistry, Mathematics, Statistics, Computer Science Geology, Geography, Economics.</p> <p>(Note:- In case Student offers Computer Science as one of the subject at S.Y.B.Sc., additional 2 seats per batch of sanctioned Strength) can be offered for Diploma holders eligible for direct admission to S.Y.B.Sc. (Computer Science).</p> <p>However, if the Repeaters are admitted in S.Y.B.Sc.(Computer Science) or in T.Y.B.Sc.(Computer Science) in addition to regular students of the same college, a new batch to be started if the strength exceed 30 subject to permission from University.)</p> <p>*where a subject consist of two theory papers only the Maximum marks of the combined heads of passing the theory papers will be considered for the purpose. Where a subject consist of two or more theory papers and practicals the maximum marks of the combined heads of passing of theory and maximum marks of the head of passing for practicals, will be considered for the purpose.</p>		
2.	Bachelor of Science (Home Science)	O.2065	<p>A candidate for being eligible for admission to the First Year B.Sc. examination in Home Science :-</p> <p>(1) must have passed the First Year Examination in Science of this University or an examination of another University or Body recognized as equivalent thereto or must have been Certified by the Principal of an affiliated college to have duly completed the First Year course in Group B on or before 15 March 1962 .</p> <p style="text-align: center;">OR</p>	Three Years	No.UG/293 of 2011, Dated 16 th September, 2011

			<p>(2) must have passed the Higher Secondary School Certificate examination (Std.XII) conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, Mumbai, Aurangabad and Nagpur with the following subjects or an examination recognized as equivalent thereto.</p> <ol style="list-style-type: none">1. English2. Any one of the Modern Indian Languages or Modern foreign Languages OR and Classical Language (Higher Level or Lower Level) OR Information Technology OR Such other subjects as may be prescribed by the Board from time to time3-4. Any two of the subjects from (a) or (b)<ol style="list-style-type: none">(a) Physics, Chemistry, Biology <p style="text-align: center;">OR</p> <ol style="list-style-type: none">(b) Sociology, Psychology, Economics, Child Development, Textile Laundry and Clothing.5-6. Any two subjects from the following subjects not offered under (3) and (4) : Physics, Chemistry, Biology, Geography, Mathematics and Statistics, Geology, Political Science, Philosophy, Logic, History, Sociology, Psychology, Economics, Child Development, Textile Laundry and Clothing. <p style="text-align: center;">OR</p> <p>The Higher Secondary Certificate (Std.XII) examination with vocational subjects conducted by the Maharashtra State Board of Secondary and Higher Secondary Education, Pune, Mumbai, Aurangabad and Nagpur in the following subjects:-</p> <ol style="list-style-type: none">1. English2-3 Any one vocational subject carrying 200 marks under the Commercial Group, Catering and Food Technology Group, Para-		
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medical Group, Technical Group, Agricultural Group and Fishery Group.

I. Commercial Group

1. Banking
2. Insurance
3. Office Management
4. Marketing and Salesmanship
5. Small Industries and Self-Employment
6. Elementary Industrial Management
7. Such other subjects as may be prescribed by the Board from time to time.

II. Catering and Food Technology Group

1. Cookery
2. Bakery and Confectionary
3. Food Preservation
4. Such other subjects as may be prescribed by the Board from time to time.

III. Para-medical Group

1. Multipurpose Health Worker
2. Elementary Laboratory Technology
3. Such other subjects as may be prescribed by the Board from time to time

IV. Technical Group

1. Electrical Maintenance
2. Mechanical Maintenance
3. Scooter and Motor Servicing
4. General Contracting
5. Electronics
6. Chemical Plant Operation

			<p>7. Such other subjects as may be prescribed by the Board from time to time.</p> <p>V. <u>Agricultural Group</u></p> <ol style="list-style-type: none">1. Animal Science and Dairying2. Farm Mechanics3. Crop Science4. Horticulture5. Such other subjects as may be prescribed by the Board from time to time. <p>VI <u>Fishery Group</u></p> <ol style="list-style-type: none">1. Fish Processing Technology2. Fresh Water Fish Culture3. Such other subjects as may be prescribed by the Board from time to time.4-6. Optional subjects (any three from the following):<ol style="list-style-type: none">i. Any one of the Modern Indian Languages or Modern foreign Languages (Higher Level OR Lower Level) OR any Classical Language (Higher Level OR Lower Level) OR Information Technology OR such other subject as may be prescribed by the Board from time to timeii. Physicsiii. Chemistryiv. Biologyv. Sociologyvi. Psychologyvii. Economicsviii. Political Scienceix. Philosophyx. Such other subjects as may be prescribed by the Board from time to time.		
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			<p>Eligibility Criteria for students coming from other Boards in India : The student must have passed the Higher Secondary School Certificate examination (STD XII) or equivalent examination with the following subjects :</p> <p>1 English (Compulsory)</p> <p>2-3 Any two subjects from the list of subject given below :</p> <p>(a) Any one of the Modern Indian Languages or Modern foreign Languages OR any Classical Language (Higher Level OR Lower Level) OR Information Technology</p> <p>(b) Physics</p> <p>(c) Chemistry</p> <p>(d) Biology</p> <p>(e) Sociology</p> <p>(f) Psychology</p> <p>(g) Economics</p> <p>(h) Child Development</p> <p>(i) Textile Laundry Clothing</p> <p>4-5 or 4-6 any two/three subjects from the list of subject given below not offered under :-</p> <p>(a) Physics</p> <p>(b) Chemistry</p> <p>(c) Biology</p> <p>(d) Sociology</p> <p>(e) Psychology</p> <p>(f) Economics</p> <p>(g) Child Development</p> <p>(h) Textile Laundry Clothing</p> <p>(i) Geography</p> <p>(j) Mathematics and Statistics</p> <p>(k) Philosophy</p> <p>(l) Logic</p>		
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			<p>(m) History (n) Social Science (o) Home Science</p> <p>Such other subject as may be prescribed by the respective Boards from time to time.</p> <p>Students doing B.Sc. (Home Science) and who are unsuccessful at the B.Sc. (Home Science) examination could change their specialization in the next academic year.</p>		
3.	Bachelor of Science (B.Sc.) (Computer Science)	O.5719	<p>A candidate for being eligible for admission to the three years integrated course leading to the degree of Bachelor of Science (B.Sc.) must have passed Higher Secondary School Certificate Examination (Std. XII) in Science stream conducted by the Maharashtra State Board of Secondary and Higher Secondary Education with Mathematics and Statistics as one of the subject or its equivalent.</p> <p>Admission will be on merit, based on order of preference as follows:</p> <ol style="list-style-type: none"> 1. Aggregate Marks at H.S.C. or equivalent. 2. Aggregate Marks in Science Group (Physics, Chemistry and Mathematics) 3. Marks in Mathematics and Statistics and Physics. Marks in Mathematics and Statistics. 	Three Years	No.UG./284 of 2007, Dated 16 th June,2007
4.	Bachelor of Science (Information Technology) B.Sc. (I.T.)	O.5051	<p>(a) A candidate for being eligible for admission to the degree course of Bachelor of Science-Information Technology, shall have passed XII standard examination of the Maharashtra Board of Higher Secondary Education or it's equivalent with Mathematic and Statistics as one of the subject and should have secured not less than 45% marks in aggregate for open category and 40% marks in aggregate in case of Reserved category candidates.</p>	Three Years	No.UG./283 of 2007, Dated 16 th June, 2007

			<p>(b) Candidate who have passed Diploma (Three years after S.S.C. – Xth Std.) in Information Technology/ Computer Technology/ Computer Engineering/Computer Science/ Electrical, Electronics and Video Engineering and Allied Branches/Mechanical and Allied Branches/ Civil and Allied branches are eligible for direct admission to the Second Year of the B.Sc. (I.T.) degree course.</p> <p>However, the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body. Minimum marks required 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.</p> <p style="text-align: center;">OR</p> <p>Candidates with post HSC-Diploma in Information Technology/Computer Technology/ Computer Engineering/ Computer Science/ and Allied branches will be eligible for direct admission to the Second Year of B.Sc. (I.T.).</p> <p>However, the Diploma should be recognized by the Board of Technical Education or any other recognized Government Body Minimum Marks required 45% aggregate for open category candidates and 40% aggregate for reserved category candidates.</p>		
5.	B.Sc. (Bio-Technology)	O.5108	<p>A candidate for being eligible for admission to the Three year Integrated course leading to the degree of Bachelor of Science (B.Sc.) must have passed Higher Secondary School Certificate Examination (Std.XII) in Science conducted by the Maharashtra State Board of Secondary and Higher Secondary Education or it's equivalent in Science stream.</p> <p>Admission will be on merit, based on order of preference as follows:</p> <p style="text-align: center;">Aggregate Marks at H.S.C. or equivalent. Aggregate Marks in Science Group (Physics, Chemistry and Biology).</p>	Three Years	No.UG/282 of 2007, Dated 16 th June, 2007

			<p>Marks in Biology and Chemistry. Marks in Biology.</p> <p>A candidate who has not offered Mathematics and Statistics as one of the Subject at H.S.C. (Std.XII) shall have to satisfactorily complete a course on Mathematics and Statistics (of 15 hours duration) during the academic year of First year B.Sc. in which he is admitted.</p>		No.UG/294 of 2009, Dated 28 th July, 2009
6.	<p>B.Sc.(Hospitality Studies) degree course Nomenclature* changed vide Circular No.UG/422, dated 11th October, 2006</p> <p>Faculty change vide Circular No.UG/381, dated 14th November, 2011</p>	O.5101	<p>a) A candidate for being eligible for admission to the Degree Course Bachelor of Science (Hospitality Studies) shall have passed XII Standard Examination in any discipline/stream of any state Board for Higher Secondary Education or its equivalent from India or abroad and secured not less than 45% marks in aggregate (44.5% to 44.99%) may be rounded off to 45% (In case of Reserved Category 40% marks in aggregate) (39.5% to 39.99% and may be rounded off to 40%).</p> <p>b) Candidates will be selected on the basis of merit in Written Examination, Group discussion and Personal Interview conducted by the college.</p>	Three Years degree course	No.UG/83 of 2012, Dated 29 th October, 2012
7.	Bachelor of Science (Nautical Sciences)	0.3980	<p>A candidate for being eligible for admission to the B.Sc. (Nautical Sciences) Degree Course must be unmarried and must have passed the Higher Secondary School Certificate (Standard XII) Examination conducted by the Maharashtra State Board of Secondary Education, Pune, or an examination of any other body recognized as equivalent thereto, with the following subjects :- English, Physics, Chemistry, Mathematics And have been selected on the basis of All India Qualifying Examination.</p>	Three Years	No.UG/451 of 1999, Dated 20 th August,1999
8.	Bachelor of Science (Aviation)	O.5091	<p>A candidate for being eligible for admission to B.Sc. (Aviation) must have passed the Higher Secondary School Certificate (Standard XII) examination conducted by the</p>	Three Years	No.UG/95 of 2012, Dated 4 th December, 2012

			<p>Maharashtra State Board of Secondary Education. Pune or an examination of any other Government recognized board as equivalent thereto, with the subject English, Physics and Mathematics</p> <p style="text-align: center;">OR</p> <p>A Candidate who has passed post SSC, Three year Engineering / Technology / diploma course with Mathematics and Physics</p> <p style="text-align: center;">OR</p> <p>A Candidate who has passed post HSC diploma (one year after twelfth standard of Maharashtra Board of Technical education or AICTE approved or any other recognized government body in Information Technology / Computer Technology / Computer Engineering / Computer Science / Electrical, Electronics & Video Engineering & allied branches / Mechanical & allied branches / Chemical & allied branches / Civil & allied branches.</p>		
9.	Bachelor of Science Programme in Aeronautics (Avionics) (CBSGS)	O.5961	<p>HSC (10 + 2) of MSBHSC or equivalent of any other Government state board with minimum 45% marks in aggregate (40% for reserve category) with English, Physics and Mathematics subjects</p> <p style="text-align: center;">OR</p> <p>Diploma (10 + 3) awarded by MSBTE or equivalent by any other Government body in following branches of engineering :</p> <ul style="list-style-type: none"> i) Mechanical ii) Electronics iii) Electrical iv) Computer v) Information Technology vi) Automobile vii) Industrial Electronics viii) Radio Engineering and Telecommunication 	Three years-divided into Six Semesters but not more than Six years	No. UG/147 of 2012-13 Date : 14 th March, 2013

			ix) Instrumentation		
10.	Bachelor of Science programme in Aeronautics (Mechanical)	O.5963	<p>HSC (10 + 2) of MSBHSC or equivalent of any other Government state board with minimum 45% marks in aggregate (40% for reserve category) with English, Physics and Mathematics subjects</p> <p style="text-align: center;">OR</p> <p>Diploma (10 + 3) awarded by MSBTE or equivalent by any other Government body in following branches of engineering :</p> <ul style="list-style-type: none"> i) Mechanical ii) Electronics iii) Electrical iv) Computer v) Information Technology vi) Automobile vii) Industrial Electronics viii) Radio Engineering and Telecommunication ix) Instrumentation 	Three years-divided into Six Semesters but not more than Six years	No. UG/147 of 2012-13 Date : 14 th March, 2013
11.	B.Sc. Maritime Sciences	O.5578	A candidate for being eligible for admission to the B.Sc. (Maritime Sciences) Degree course must be unmarried and must have passed the Higher Secondary School Certificate (Std. XII) examination conducted by the Maharashtra State Board of Secondary Education, Pune, or an examination of any other body recognized as equivalent thereto, with the following subjects :- English, Physics, Chemistry and Mathematics	Three Years	No.UG/75 of 2006, Dated 16 th March, 2006
12.	B.Sc. in Sports Management Degree Course	O.5631	A candidate for being eligible for admission to the course of B.Sc. in sports Management must have passed Std. XII in any stream of the Maharashtra State Board of Higher Secondary Education or any other equivalent examination recognized by the University of	Three Year	No.UG/260 of 2006, Dated 17 th July, 2006

			Mumbai		
13.	B.Sc. Maritime Hospitality Studies	O.5760	12 th Pass (HSC Standard with minimum 50% marks in English subject (45% for backward class) and total aggregate 50% marks. Students will be admitted in the order of merit.	Three Years Full time	No.UG/300 of 2008, Dated 14 th July, 2008
14.	B.Sc. in Forensic Science	O.5893	12 th Science Pass	Three Year (Full Time)	No.UG/467 of 2009, Dated 12 th December, 2009
15.	Master of Science (M.Sc.) Degree Course	O.6002	<p>Admissions will be on merit (percentage of aggregate marks/grade secured at the qualifying examination). Reservation criteria shall be followed as prescribed by the Government at the time of admissions.</p> <p>A learner for being eligible to apply for admission for a given integrated ten semester M.Sc programme must have passed standard twelfth (after the 10+2 schooling) or equivalent examination with minimum 50% marks for students belonging to the general category and 45% marks for students belonging to the Reserved category with science subjects as may be prescribed for a given course.</p> <p>A learner for being eligible to apply for admission to the M.Sc. degree course by papers in the branches other than those of Molecular Biology, Biotechnology, Life Sciences, Environmental Sciences, Biophysics, Bioinformatics, Biochemistry, Bio-analytical Sciences, Applied Biology, Fisheries management, Herbal Sciences, Nutraceuticals, Applied and Industrial Chemistry, Computer Science and Information Technology must have passed :-</p>	Two Years	No.UG/09 of 2012, Dated 21 st February, 2012

			<p>The B.Sc. degree examination of this University or degree of any other University recognized as equivalent thereto with Minimum 46 credits or its equivalent (i.e, the minimum credits required for majoring in a subject, and excluding the credits for optional courses) of the subject which he wants to offer for the M.Sc. degree course by papers.</p> <p>The admission shall be strictly on merit for the seats allotted by the University.</p> <p>Where the seats for the Masters Programme are to be allotted by the college, the Head of the institution shall have discretionary powers for admission under “College seats” not exceeding 30% of the total allotted quota OR as prescribed by the University Rules from time to time.</p> <p>However candidate who has passed the B.Sc. degree of this University or of any other University recognized as equivalent thereto with the following combinations of subjects will be eligible for admission to the M.Sc. degree course by papers in the branches as listed below.</p> <p>1. <u>MOLECULAR BIOLOGY</u></p> <p>The learners who have either passed Bachelor’s Degree Examination of University of Mumbai in Science/ Technology/ Fisheries Sciences/ Veterinary Sciences or equivalent Degree of any other University recognized as equivalent thereto with the following combination of Subject/s as Major and Ancillary Subject/s:</p>		
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			MAJOR	ANCILIARY		
			Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences	Chemistry up to second year level		
			Chemistry, Biochemistry	Any Biology Subject		
			Physics	Any Biology Subject		
			Agriculture/ Fisheries Sciences/ Veterinary Sciences	-		
			Computer Sciences	Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.		
			Bioinformatics	-		
			Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology/ Biomedical Engineering	With or without any one of the Biological Sciences Subject as the case may be		
		<p>2. BIOTECHNOLOGY</p> <p>The learners who have either passed Bachelor's Degree Examination of University of Mumbai in Science/ Technology or equivalent Degree of any other University recognized as equivalent thereto with the following combination of Subject/s as</p>				

		<p>Major and Ancillary Subject/s:</p> <table border="1" data-bbox="1029 215 2064 1049"> <thead> <tr> <th data-bbox="1029 215 1588 289">MAJOR</th> <th data-bbox="1588 215 2064 289">ANCILIARY</th> </tr> </thead> <tbody> <tr> <td data-bbox="1029 289 1588 480">Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences</td> <td data-bbox="1588 289 2064 480">Chemistry up to second year level</td> </tr> <tr> <td data-bbox="1029 480 1588 565">Chemistry, Biochemistry</td> <td data-bbox="1588 480 2064 565">Any Biology Subject</td> </tr> <tr> <td data-bbox="1029 565 1588 649">Physics</td> <td data-bbox="1588 565 2064 649">Any Biology Subject</td> </tr> <tr> <td data-bbox="1029 649 1588 734">Agriculture/Fisheries Sciences/ Veterinary Sciences</td> <td data-bbox="1588 649 2064 734">-</td> </tr> <tr> <td data-bbox="1029 734 1588 850">Computer Sciences</td> <td data-bbox="1588 734 2064 850">Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.</td> </tr> <tr> <td data-bbox="1029 850 1588 896">Bioinformatics</td> <td data-bbox="1588 850 2064 896">-</td> </tr> <tr> <td data-bbox="1029 896 1588 1049">Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology</td> <td data-bbox="1588 896 2064 1049">With or without any one of the Biological Sciences Subject as the case may be</td> </tr> </tbody> </table> <p data-bbox="1029 1094 2064 1205">Bachelor's Degree (B.E./ B.Tech.) of Engineering in the Subject of Biotechnology/ Biomedical Engineering/ Information Technology.</p> <p data-bbox="1029 1328 1427 1364">3. <u>BIOINFORMATICS</u></p> <p data-bbox="1029 1455 2064 1485">The Bachelor's degree in the Faculty of Science in any of the</p>	MAJOR	ANCILIARY	Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences	Chemistry up to second year level	Chemistry, Biochemistry	Any Biology Subject	Physics	Any Biology Subject	Agriculture/Fisheries Sciences/ Veterinary Sciences	-	Computer Sciences	Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.	Bioinformatics	-	Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology	With or without any one of the Biological Sciences Subject as the case may be		
MAJOR	ANCILIARY																			
Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences	Chemistry up to second year level																			
Chemistry, Biochemistry	Any Biology Subject																			
Physics	Any Biology Subject																			
Agriculture/Fisheries Sciences/ Veterinary Sciences	-																			
Computer Sciences	Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.																			
Bioinformatics	-																			
Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology	With or without any one of the Biological Sciences Subject as the case may be																			

			<p>following Subjects/ disciplines from this University or of any other recognized University:</p> <ul style="list-style-type: none">• Science (Life Sciences, Biochemistry, Biology, Botany, Zoology, Biotechnology, Chemistry, Environmental Sciences, Life Sciences, Physics, Mathematics, Microbiology, Statistics, Computer Sciences, Information Technology, Applied or Allied Biological Sciences)• Agriculture• Fisheries Sciences• Medicine• Pharmacy• Veterinary Sciences <p style="text-align: center;">OR</p> <p>Bachelor's Degree (B.E./ B.Tech.) of Engineering in the Subject of Biotechnology/ Biomedical Engineering/ Information Technology of this University or of any other recognized University.</p> <p>Details of Major as well as Ancillary Subjects are mentioned below:</p>		
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MAJOR	ANCILIARY
Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences	Chemistry up to second year level
Chemistry, Biochemistry	Any Biology Subject
Physics	Any Biology Subject
Agriculture/ Fisheries Sciences/ Veterinary Sciences	-
Computer Sciences, Information Technology	Biological Sciences/ Chemistry/ Mathematics/ Physics up to Second year B.Sc.
Bioinformatics	-
Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Biomedical Engineering/ Bioinformatics/ Information Technology	With or without any one of the Biological Sciences Subject as the case may be
4. LIFE SCIENCES	

			<p>The Bachelor's degree in the Faculty of Science in the Subjects of Life Sciences, Botany, Zoology, Microbiology, Computer Sciences, Chemistry and Biochemistry and Applied or Allied Biological Sciences, Bioinformatics from the University of Mumbai or equivalent Degree of any other University recognized by UGC.</p> <p style="text-align: center;">OR</p> <p>Faculty of Technology/ Faculty of Medicine/ Fisheries Sciences/ Veterinary Sciences/ Pharmacy of this University or equivalent Degree of recognized Universities.</p> <p style="text-align: center;">OR</p> <p>The Bachelor's Degree in Agriculture/ Fisheries Sciences or Veterinary Sciences of recognized Universities with following Major and Ancillary Subjects:</p>		
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			MAJOR	ANCILIARY		
			Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences	Chemistry up to second year B.Sc.		
			Chemistry, Biochemistry	Any Biology Subject up to Second Year B.Sc.		
			Physics	Any Biology Subject up to Second Year B.Sc.		
			Pharmacy	-		
			Agriculture/ Veterinary Sciences/ Fisheries Sciences	-		
			Computer Sciences, Bioinformatics	Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.		
			Bachelor's Degree in Medicine (M.B.B.S./ B.D.S.)	-		
			Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology, Biomedical Engineering	With or without any one of the Biological Sciences Subject as the case may be		

5. ENVIRONMENTAL SCIENCES :

The Bachelor's degree in the Faculty of Science of University of Mumbai or equivalent Degree of recognized University in the Subjects of Life Sciences, Botany, Zoology, Microbiology, Computer Sciences, Bioinformatics, Chemistry, Biochemistry and Applied or Allied Biological Sciences.

OR

The Bachelor's Degree in the Faculty of Technology/ Medicine of this University or equivalent Degree of recognized University with the background of courses in Life Sciences up to second year of under-graduation.

OR

The Bachelor's degree in Agriculture/ Fisheries Sciences/ Veterinary Sciences of recognized Universities.

OR

Bachelor's Degree in Technology (B.E./ B.Tech.) of the University of Mumbai or equivalent Degree of recognized University in the Subject of Biotechnology/ Biomedical Engineering/ Information Technology/ Bioinformatics/ Civil Engineering/ Chemical Engineering/ Production Engineering with following Major and Ancillary Subjects:

MAJOR	ANCILIARY
Life Sciences, Botany, Zoology, Microbiology, Biotechnology	Chemistry up to second year level
Chemistry, Biochemistry	Any Biology Subject
Physics	Any Biology Subject
Agriculture/ Veterinary Sciences/ Fisheries Sciences	-
Computer Sciences, Bioinformatics	Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.
Information Technology	-
Bachelor's Degree in Medicine (M.B.B.S./ B.D.S.)	-
Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology, Biomedical Engineering	With or without any one of the Biological Sciences Subject as the case may be
Bachelor's Degree (B.E./ B.Tech.) in Civil Engineering/ Production Engineering/ Chemical Engineering	Environmental Engineering as a Subject at any of the first four Semesters

			<p>6. <u>BIOPHYSICS</u></p> <p>The Bachelor's degree in the Faculty of Science in the Subjects of Life Sciences, Botany, Zoology, Microbiology, Computer Sciences, Chemistry and Biochemistry and Applied or Allied Biological Sciences, Bioinformatics from the University of Mumbai or equivalent Degree of any other University recognized by UGC.</p> <p style="text-align: center;">OR</p> <p>Faculty of Technology/ Faculty of Medicine of this University or equivalent Degree of recognized Universities.</p> <p style="text-align: center;">OR</p> <p>The Bachelor's Degree in Agriculture/ Fisheries Sciences or Veterinary Sciences of recognized Universities with following Major and Ancillary Subjects:</p>		
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			MAJOR	ANCILIARY		
			Life Sciences, Botany, Zoology, Microbiology, Biotechnology, Applied or Allied Biological Sciences	Chemistry up to second year level		
			Chemistry, Biochemistry	Any Biology Subject/ Physics up to Second Year B.Sc.		
			Physics	Any Biology Subject up to Second Year B.Sc.		
			Pharmacy	-		
			Agriculture/ Veterinary Sciences/ Fisheries Sciences	-		
			Computer Sciences, Bioinformatics	Biological Sciences/ Chemistry/ Physics up to Second year B.Sc.		
			Bachelor's Degree in Medicine (M.B.B.S./ B.D.S.)	-		
			Bachelor's Degree (B.E./ B.Tech.) in Biotechnology/ Bioinformatics/ Information Technology, Biomedical Engineering	With or without any one of the Biological Sciences Subject as the case may be		
		<p>7. <u>BIOCHEMISTRY</u></p> <p>The Bachelor's degree in the Faculty of Science / Medicine/ Technology of this University or equivalent degree of this University or of any other recognized University with biological</p>				

Sciences and Chemistry as Ancillary Subjects at undergraduate level as provided below:

MAJOR	ANCILIARY
Life Sciences	Biochemistry, Chemistry
Chemistry	Botany, Zoology or any of the Biological Sciences up to second year
Microbiology, Botany, Zoology	Chemistry up to second year of Bachelor's Degree
Biochemistry	Biology/ Chemistry/ Statistics/ Mathematics/ Microbiology/ Life Sciences
Biotechnology	Chemistry up to second year of Bachelor's Degree
Medicine	Chemistry/ Microbiology
Bachelor's Degree (B.Tech./B.E.) in Biomedical Engineering	Any Biological Sciences Subject/ Chemistry

8. BIOANALYTICAL SCIENCES

A learner for being eligible to apply for admission for an integrated ten semester M.Sc programme in Bioanalytical

Sciences must have passed standard twelfth (after the 10+2 schooling) or equivalent examination with minimum 50% marks for students belonging to the general category and 45% marks for students belonging to the Reserved category with Mathematics and Statistics, Biology, Chemistry, Physics.

For being eligible to apply for the M.Sc. Programme in Bioanalytical Sciences, The learner should have passed a Bachelor's degree in the Faculty of Science / Medicine/ Pharmacy/ Technology of this University or equivalent degree of this University or of any other recognized University with biological Sciences and Chemistry as Ancillary Subjects at undergraduate level as provided below:

MAJOR	ANCILIARY
Life Sciences	Biochemistry, Chemistry
Chemistry	Botany, Zoology or any of the Biological Sciences up to second year
Microbiology, Botany, Zoology	Chemistry up to second year of Bachelor's Degree
Pharmacy	-
Biochemistry	Biology/ Chemistry/ Statistics/ Mathematics/ Microbiology/ Life Sciences
Biotechnology	Chemistry up to second year of Bachelor's Degree
Medicine	Chemistry/ Microbiology

			<p>Bachelor's Degree (B.Tech./ B.E.) in Biomedical Engineering/ Computer Sciences/ Information Technology</p>	<p>Any Biological Sciences Subject/ Chemistry</p>
			<p>9. <u>APPLIED BIOLOGY</u></p> <p>The Bachelor's degree in the Faculty of Science / Medicine/ Technology of this University or equivalent degree of recognized Universities with biological Sciences and Chemistry as ancillary Subjects at undergraduate level as detailed below:</p>	
			<p>MAJOR</p>	<p>ANCILIARY</p>
			Life Sciences	Biochemistry, Chemistry
			Biochemistry	Biology/ Chemistry/ Statistics/ Mathematics/ Botany/ Zoology/ Microbiology/ Life Sciences
			Microbiology, Botany, Zoology, Biochemistry, Biotechnology or any other Biological Sciences	Chemistry up to second year of Bachelor's Degree
			Medicine	Chemistry/ Microbiology

			<p>Bachelor's Degree (B.Tech./ B.E.) in Biomedical Engineering/ Computer Sciences/ Information Technology</p>	<p>Any Biological Sciences Subject/ Chemistry</p>												
			<p>10. <u>HERBAL SCIENCES</u></p> <p>The Bachelor's degree in the Faculty of Science of this University or equivalent degree of this University or of any other recognized University with Biological Sciences/ and Chemistry as Ancillary Subjects at undergraduate level as provided below:</p>													
			<table border="1"> <thead> <tr> <th data-bbox="1024 753 1542 873"><u>MAJOR</u></th> <th data-bbox="1542 753 2072 873"><u>ANCILIARY</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="1024 873 1542 959">Life Sciences</td> <td data-bbox="1542 873 2072 959">Biochemistry, Chemistry</td> </tr> <tr> <td data-bbox="1024 959 1542 1154">Biochemistry</td> <td data-bbox="1542 959 2072 1154">Biology/ Chemistry/ Statistics/ Mathematics/ Botany/ Zoology/ Microbiology/ Life Sciences</td> </tr> <tr> <td data-bbox="1024 1154 1542 1312">Microbiology, Botany, Zoology, Biochemistry, Biotechnology or any other Biological Sciences</td> <td data-bbox="1542 1154 2072 1312">Chemistry up to second year of Bachelor's Degree</td> </tr> <tr> <td data-bbox="1024 1312 1542 1425">Chemistry</td> <td data-bbox="1542 1312 2072 1425">Any Biological Sciences Subject up to second year of Bachelor's Degree</td> </tr> </tbody> </table>		<u>MAJOR</u>	<u>ANCILIARY</u>	Life Sciences	Biochemistry, Chemistry	Biochemistry	Biology/ Chemistry/ Statistics/ Mathematics/ Botany/ Zoology/ Microbiology/ Life Sciences	Microbiology, Botany, Zoology, Biochemistry, Biotechnology or any other Biological Sciences	Chemistry up to second year of Bachelor's Degree	Chemistry	Any Biological Sciences Subject up to second year of Bachelor's Degree		
<u>MAJOR</u>	<u>ANCILIARY</u>															
Life Sciences	Biochemistry, Chemistry															
Biochemistry	Biology/ Chemistry/ Statistics/ Mathematics/ Botany/ Zoology/ Microbiology/ Life Sciences															
Microbiology, Botany, Zoology, Biochemistry, Biotechnology or any other Biological Sciences	Chemistry up to second year of Bachelor's Degree															
Chemistry	Any Biological Sciences Subject up to second year of Bachelor's Degree															

11. NUTRACEUTICALS

The Bachelor's degree in the Faculty of Science of this University or equivalent degree of this University or of any other recognized University with Biological Sciences/ and Chemistry as Major and Ancillary Subjects at undergraduate level as provided below:

<u>MAJOR</u>	<u>ANCILIARY</u>
Life Sciences	Biochemistry, Chemistry
Biochemistry	Biology/ Chemistry/ Statistics/ Mathematics/ Botany/ Zoology/ Microbiology/ Life Sciences
Microbiology, Botany, Zoology, Biochemistry, Biotechnology or any other Biological Sciences	Chemistry up to second year of Bachelor's Degree
Chemistry	Any Biological Sciences Subject up to second year of Bachelor's Degree

12. COMPUTER SCIENCES

The Bachelor's degree in the Faculty of Science/ Technology of

this University or equivalent degree of recognized Universities with Major and Ancillary Subjects at undergraduate level as detailed below:

<u>MAJOR</u>	<u>ANCILIARY</u>
Mathematics	-
Physics	Mathematics (4 Units)
Statistics	Mathematics (4 Units)
Life Sciences	Biochemistry or Chemistry with Mathematics or Statistics in first and second year OR Computer Sciences OR Information Technology up to second year of Bachelor's Degree
Medicine	Chemistry/ Microbiology
Bachelor's Degree in Technology (B.Tech./B.E.) in Engineering/ Computer Sciences/ Information Technology	
Bachelor's Degree in Computer Sciences B.C.A/B.C.S/ Information Technology	-

13. INFORMATION TECHNOLOGY

The Bachelor's degree in the Faculty of Science/ Technology of this University or equivalent degree of recognized Universities with major and ancillary Subjects at undergraduate level as detailed below:

MAJOR	ANCILIARY
Mathematics	-
Physics	Mathematics (4 Units)
Statistics	Mathematics (4 Units)
Life Sciences	Biochemistry or Chemistry with Mathematics or Statistics in first and second year OR Computer Sciences OR Information Technology up to second year of Bachelor's Degree
Medicine	Chemistry/ Microbiology
Bachelor's Degree in Technology (B.Tech./B.E.) in Engineering/ Computer Sciences/ Information Technology	

Bachelor's Degree in
Computer Sciences
B.C.A/B.C.S/ Information
Technology

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14. APPLIED AND INDUSTRIAL CHEMISTRY

The learner must have passed Bachelor's Degree in Faculty of Science/ Technology of Mumbai University or equivalent Degree of any other recognized University with

OR

The B.Sc. (Three Year Integrated Course) Degree Examination of this University in the Subject/s mentioned above, with at least 18 Credits (as far as the Credits of final year B.Sc. are concerned for the Subject majored) OR 48 Credits (cumulative total of the Subject majored in all the three years of graduation) with following Ancillary Subjects along with the Major and Ancillary subjects as given below:

<u>MAJOR</u>	<u>ANCILIARY</u>
Chemistry/ Biochemistry	Botany, Zoology, Microbiology, Life Sciences, Physics, Statistics, Mathematics,
Botany, Zoology, Microbiology, Life Sciences	Chemistry/ Biochemistry up to Second year B.Sc. level

16.	M.Sc. (Home Science)	O.5088	<p>A candidate for being eligible for admission to the Master of Science (Home Science) course must have passed the Bachelor of Science (Home Science) Degree examination of this University or an examination of any other University recognized as equivalent thereto.</p> <p><u>BRANCH I : HUMAN DEVELOPMENT</u></p> <p>For being eligible for admission to the Master of Science (Home Science) degree course by papers in the branch of Human Development, a candidate must have passed either :</p> <ul style="list-style-type: none"> • Bachelor of Science with Human Development • Bachelor of Home Science with specialization in Human Development/Child Development or any sub-specialization such as Early Childhood Education and Developmental Counseling • Bachelor of Home Science (General) • Bachelor of Arts : Psychology/Sociology/ as a major /or as part fulfillment • Bachelor of Arts with Education as major • Bachelor of Social Work. <p><u>BRANCH II : FOODS, NUTRITION & DIETETICS</u></p> <p>For being eligible for admission to the Master of Science (Home Science) degree course by papers in the Branch of Foods, Nutrition & Dietetics, a candidate must have passed either :-</p> <ul style="list-style-type: none"> • Bachelor of Science with specialization in Foods, Nutrition & Dietetics 	Two Year	No.UG/292 of 2011, Dated 16 th September, 2011

		<p>O.6050</p>	<ul style="list-style-type: none">• Bachelor of Home Science with Food Nutrition & Dietetics• B.Sc. with Biochemistry / Biotechnology (6 Units)• B.Sc. with Biochemistry / Life Science / Microbiology / Biochemistry / Biotechnology (3 Units each)• B.Sc. with any other Biological Science• B.Sc. with Home Science <p><u>BRANCH III :-TEXTILE AND FASHION TECHNOLOGY</u></p> <p>For being eligible for admission to the Master of Science (Home Science) degree course by papers in the Branch of Textile and Fashion Technology, a candidate must have passed either :-</p> <ul style="list-style-type: none">• Bachelor of Science with Textiles & Clothing• Bachelor of Home Science with specialization in Textiles & Clothing• Bachelor of Science in any specialization• Bachelor of Home Science with specialization in any branch of Home Science of the University of Mumbai• Bachelor of Home Science (General) <p><u>BRANCH IV :- COMMUNITY RESOURCE MANAGEMENT (MANAGEMENT AND ERGONOMICS)</u></p> <ul style="list-style-type: none">• B.Sc. with Home Science (any branch)• B.Sc. with Home Economics• B.Sc. with Physiotherapy• B.Sc. Agriculture with Home Science• Graduate degree with Hotel Management/Hospitality Management/Housekeeping or other allied fields• PG Diploma in Interior Decoration/Interior Design		<p>No. UG/80 of 2013-14 Dated 27th Dec., 2013</p>
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17.	M.Sc. (Home Science) degree Course in Food Processing and Preservation	O.5768	B.Sc. with Home Science (any branch) B.Sc. with Microbiology/ Biochemistry/ Life Sciences/Chemistry/ Biotechnology/Combinations B.Sc. with Agriculture Candidates of either six are eligible for the course		No.UG/380 of 2008, Dated 13 th August, 2008
18.	M.Sc. (Home Science) degree Course Sports Nutrition	O.5770	B.Sc. with Home Science (any branch) B.Sc. with Biochemistry, Life Sciences, B.Sc. with Nursing/Physiotherapy Medical graduates any discipline Male and Female Candidates can apply for the course.	Two years	No.UG/379 of 2008, Dated 13 th August, 2008
19.	Five Year Integrated M.Sc. Degree in Basic Sciences	O.5789	A candidate for being eligible for admission to the Five-Year Integrated M.Sc. degree course must have passed standard XII after 10+2 schooling (or equivalent) examination from any recognized Board in India with 60% marks for General Category and 55% marks for S.C./S.T.(Reserved) Category in aggregate or equivalent grade. Specialization : Physics, Life Science, Mathematics, Chemistry	Five Years	No.UG/02 of 2009, Dated 1 st January, 2009
20.	Five Year Integrated Course in M.Sc. in Bioanalytical Sciences	O.5883	A candidate for being eligible for admission to the 5 year integrated M.Sc. degree course in Bioanalytical Sciences must have passed Standard XII after 10+02 schooling (or equivalent) examination from any recognized board in India with minimum of 50% marks for students belonging to general category and 45% marks for students belonging to Reserved Category in aggregate or equivalent grade with Science, Subjects – Math and Stats, Biology, Chemistry and Physics.	Five Years	No. UG/429 of 2009, Dated 17 th November, 2009
21.	Five Year Integrated Course in M.Sc. degree Course in Computer Science	O.5855	A candidate for being eligible to take admission to the 5 Year Integrated M.Sc. degree course in Computer Science must have passed standard XII (10+2 schooling examination or 10+3 Diploma in technical education) from any recognized board in India (or equivalent) with 60% marks for General category and 55% marks for Reserved category in aggregate or equivalent	Five Years	No. UG/470 of 2009, Dated 12 th November, 2009

			grade. Admission to the foreign students are subject to the eligibility of the entrance test or its equivalence.		
22.	M.Sc. (Bio-Chemistry) By Research	O.2445	<p>A person, who has passed the Bachelor of Science examination in a subject at least in the Second Class, of this University or of another University recognized as equivalent thereto, shall be eligible for admission to the degree of Master of Science (By Research) in that subject.</p> <p>In case of the subject like Biochemistry, the eligibility criteria applied for admission to M.Sc. degree (By Papers) as per O.2441 shall also be applicable for the admission to M.Sc. degree (By Research) in Biochemistry.</p> <p>Further that the candidate who has passed his/her B.Sc. examination at least in the Second Class of this University with three or six units at T.Y.B.Sc. in Microbiology, Life Sciences, Biotechnology, Botany, Zoology or any other Biological Sciences or degree equivalent thereto of other University in one of these subjects as a major principal subject, shall be eligible to M.Sc. degree (By Research) only in the subject of Biochemistry.</p>	Two Years	No.UG/49 of 2004, Dated 23 rd February,2004
23.	M.Sc. Bioanalytical Sciences	O.5585	B.Sc. in any one of the following subjects : Chemistry (with Botany, Zoology, Microbiology, Life Sciences, Biochemistry and Biotechnology till S.Y.B.Sc.) Botany, Zoology Microbiology, life Science, Biochemistry, Biotechnology and have offered Chemistry as one of the subject till S.Y.B.Sc. (total 5 units) or equivalent.	Two Years	No.UG/434 of 2009, Dated 21 st November, 2009
24.	M.Sc. Degree Course in Herbal Science	O.5655	<p>Candidates are eligible for admission B.Sc. in any Subject of Biological Science/ Biochemistry/ Chemistry with any one Subject of Biological Sciences up to S.Y. level from any recognized University with 50% marks.</p> <p>The admission will be granted on the basis of the marks obtained in the entrance examination conducted by the College and as per guidelines of the University of Mumbai.</p>	Two Year (full time course)	No.UG/247 of 2006, Dated 12 th July, 2006

29.	M.Sc. Degree Course in Nutraceuticals	O.5881	A candidate for being eligible for admission to the M.Sc. Degree course in Nutraceuticals must have passed from any recognized University in India with minimum 50% marks in aggregate for students belonging to general category and 45% marks for students belonging to Reserved category or equivalent grade with any of the following science subjects up to the second year of the B.Sc. course : Chemistry, Botany, Zoology, Microbiology, Life Science, Biotechnology, Biochemistry. Alternatively students with degree in Medical sciences or Graduation in food and nutrition sciences or Pharmacy with aggregates marks as mentioned above for B.Sc. degrees are also eligible.	Two Year (Full Time)	No.UG/30 of 2010, Dated 16 th February, 2010
30.	Post B.Sc. Diploma in Computer Science and Application	O.2865	A candidate for being eligible for admission to the One year Post B.Sc. Diploma in Computer science and Application must have passed the examination for the Degree of Bachelor of Science with Maths as one of the subject at H.S.C. level or at Inter-Science level of the University of Mumbai or an examination of any other University recognized as equivalent thereto and in addition must have undergone to the satisfaction of Head of University Department of Computer Science an Entrance Test conducted by the Department.	One and Half Year (Full time) (Two Semester course work and one semester of Industrial Work Experience	No.UG/244 of 2000, Dated 17 th June, 2000 Pamphlet No.220
<u>CERTIFICATE / DIPLOMA / ADVANCED DIPLOMA COURSE</u>					
31.	Certificate/Diploma/Advanced Course in Bio-technology (Vocational)	O.5285	All students who have offered Biological Sciences at B.Sc.	Cert. - 1 Year Dip. - 1 Year Adv. - 1 Year	No.UG./587 of 2003, Dated 27 th December,2003
32.	Certificate/Diploma/Advanced Course in Molecular Microbiology (Vocational)	O.5286	All students who have offered Biological Sciences at B.Sc.	Cert. - 1 Year Dip. - 1 Year Adv. - 1 Year	No.UG./587 of 2003, Dated 27 th December, 2003

33.	Certificate Course in Bio-informatics	O.5409	All B.Sc. students	One Year	No.UG/221 of 2004, Dated 2 nd June, 2004
34.	Certificate Course in Primary Care Paramedics	O.5564	A candidate for being eligible for admission to the Certificate Course in Primary Care Paramedics must have passed Higher Secondary School Certificate Examination (H.S.C.)(Std XII) in any Faculty conducted by the Maharashtra State Board of Secondary Education, Pune or any examination of any other body recognized as equivalent thereto.	120 hrs. of theory and 120 hrs of Field Internship	No.UG/505 of 2008, Dated 19 th November, 2008
35.	Certificate Course in Sensor Networks	O.5732	Students studying for B.Sc. and M.Sc. in Computer Science, B.Sc. and M.Sc. in I.T., B.E. and M.E., B.Tech. and M.Tech. in Computer Engineering or I.T., B.C.A. and M.C.A.	Consist of 30 hours (part-time)	No.UG/131 of 2008 Dated 3 rd April, 2008
36.	Diploma in Industrial Toxicology Course	O.5635	The following candidates are eligible for admission: A degree in an appropriate subject (Botany, Zoology, Microbiology, Biochemistry, Biotechnology, Biological Science, Chemistry, Environmental Science, Geology and Physics of the University of Mumbai or equivalent degree from any other University/ Institute/ autonomous college.	One Year (Two semesters) (full time)	No.UG/257 of 2006, Dated 17 th July, 2006
37.	Diploma in Aspects of Bio-Technology	O.3426	A candidate for being eligible for admission to the course must have passed the Bachelor of Science (B.Sc. degree examination of this University with any of the subjects in Biological Sciences i.e. Botany, Zoology, Microbiology or Chemistry (at least four / five units), as a major subject or corresponding degree examination of any other University or Body recognized as equivalent thereto with any of their subjects, i.e. Botany, Zoology, Microbiology or Chemistry (Four/Five units) as the major.	One Year (Full-time)	
38.	Diploma Course in Analytical Instrumentation	O.3472	A candidate for being eligible for admission to the course for the one year Post-Graduate Diploma in Analytical Instrumentation must have passed the Bachelor of Science (B.Sc.) degree examination of this University with Physics or Chemistry as a	One Year	

			major subject or corresponding degree examination of another University recognized as equivalent thereto with Physics or Chemistry as a major subject.		
39.	Diploma Course in Electronics	O.3414	A candidate for being eligible for admission to the course must have passed the Bachelor of Science (B.Sc.) degree examination of this University with Physics as a major subject (Three or Six Units/Papers) or corresponding degree examination or any other University or Body recognized as equivalent thereto with Physics as major/ main subject (with at least 3 or 6 units/Papers).	One Year	
40.	Diploma in Cosmetics and Perfumery Technology	O.3436	A candidate for being eligible for admission to the course must have passed the Bachelor of Science (B.Sc.) degree examination of this University with Chemistry /Biochemistry as a major subject or corresponding degree examination of any other University or Body recognized as equivalent thereto with Chemistry/Bio-chemistry as a major subject.	One Year	
41.	Diploma in Computerized Data Processing and Management Information System	O.3448	A candidate for being eligible for admission to the course must have passed the Bachelor of Science (B.Sc.) degree examination of this University with Physics or Mathematics or Statistics as a major subject or corresponding degree examination of any other University or Body recognized as equivalent thereto with Physics or Mathematics or Statistics as his major/main subject.	One Year	
42.	Diploma in Environmental Pollution Control Technology (D.E.P.C.T.)		B.Sc. degree of any recognized University	One Year	
43.	Post-Graduate Diploma in Environmental Technology	O.5651	A degree in an appropriate subject (Botany, Zoology, Microbiology, Biochemistry, Biotechnology, Biological Science, Chemistry, Environmental Science, Geology and Physics of the University of Mumbai or equivalent degree from any other University/Institute /Autonomous college.	One Year (Two Semester) (full time)	No.UG/338 of 2006, Dated 28 TH August, 2006

44.	Post-Graduate Diploma in Dietetics and Applied Nutrition	O.3545	<p>A candidate for being eligible for admission to the post Graduate Diploma in Dietetics and Applied Nutrition must have taken either:-</p> <p>a) Bachelor of Science (Home Science) with specialization in Food, Nutrition and Dietetics,</p> <p>b) Bachelor of Science (Home Science) (General)</p> <p>c) Bachelor of Science in Microbiology/Bio-chemistry Life Sciences</p> <p>d) Bachelor of Science with a combination of the above subjects with Chemistry</p> <p>e) Bachelor of Nursing of this University or a Degree of another University recognized as equivalent thereto. The Duration of the Diploma course shall be one year and there shall be a University Examination at the end of the course. The Diploma in Dietetic and Applied Nutrition shall not be conferred upon a candidate unless he has passed in all the subjects, practicals and in field work including Internship.</p>	18 months	<p>No.UG/303 of 1995, Dated 19th July, 1995</p> <p>Pamphlet No.114</p>
45.	Post-Graduate Diploma in Food Processing and Preservation	O.3667	<p>The minimum qualifications required for admission to the course are as follows</p> <p>The applicant should possess a B.Sc. degree of University of Mumbai or any recognized University and should have offered the following subjects at the various examinations as shown below :-</p> <p>1) He/She must have offered Chemistry as one of the subject at any one level of the three year degree course.</p> <p>2) a) He/She must have offered one of the following subjects at least at the T.Y.B.Sc. level of the three year degree course :-</p> <p>i) Physics, ii) Botany, iii) Zoology, iv) Life Sciences, v) Micro-biology, vi) Bio-Chemistry</p> <p style="text-align: center;">OR</p>	One Year (Full-Time)	<p>No.UG/97 of 1999, Dated 10th March, 1999</p> <p>Pamphlet No.293</p>

			b) Possessing Bachelor's degree of Fisheries Sciences, Bachelor's degree in Horticulture/Agriculture from A Statutory University.		
46.	Post Graduate Diploma Course in Horticulture	O.4049	<p>The minimum qualifications required for admission to the course are as follows :</p> <p>The applicant should possess B.Sc. degree of University of Mumbai or any recognized University and should have offered the following subjects at various examination as shown below :</p> <p>1) He/She must have offered 6/3 Units Botany at T.Y.B.Sc. level <u>OR</u></p> <p>B.Sc. (Agri/Hort./Forestry) of any Agriculture University <u>OR</u></p> <p>2) He/She must have offered Horticulture and Gardening as applied Component at T.Y.B.Sc. <u>OR</u></p> <p>3) He/She must have offered Botany as one of the subject at least upto second year of degree course.</p>	One Year	No.UG/245 of 2000, Dated 17 th June, 2000 Pamphlet No.323
47.	Post-Graduate Diploma in Industrial Chemical Process Operations (P.G.D.I.C.P.O.)	O.4050	The candidate should have passed the Bachelor of Science in Industrial Chemistry of University of Mumbai or its equivalent examination with at least Second Class and secured not less than 50% marks taken together at the same sitting.	One and Half Years. (Two Semesters)	No.UG/244 of 2000, Dated 17 th June, 2000 Pamphlet No.324
48.	Post Graduate Diploma in Environmental Pollution Analysis and Control	O.3664	<p>A candidate for being eligible for admission to the course for the Post-Graduate Diploma in Environmental Pollution Analysis and Control must have passed the Bachelor of Science (B.Sc.) degree examination of any recognized University and should have offered the following subjects at the various examination as shown below :-</p> <p>1) He/She must have offered Chemistry as one of the subjects at least at the T.Y.B.Sc. and S.Y.B.Sc. levels of the three year degree course.</p> <p>2) He/She must have offered one of the following subjects at least at the F.Y.B.Sc. level of the three year degree course:-</p>	Full Time course 18 months including six months project work in collaboration with Industry.	No. UG/245 of 1997, Dated 26 th July, 1997

			<p>a) Physics, b) Botany, c) Zoology, d) Life Sciences e) Micro-Biology, f) Bio-chemistry` 3) He/She must have offered Mathematics or Mathematics and Statistics at the H.S.C. or equivalent examination.</p>		
49.	Post-Graduate Diploma Course in Perfumery and Cosmetics Management	O.5521	<p>Graduation with Chemistry as one of the Major/Subsidiary subject. Graduates in any subject will be considered provided they have acquired knowledge professional experience of at least three years in the specific perfumer/ cosmetics industry. Such candidates will be given admission only after personal interview to judge the scientific/technical knowledge.</p> <p>In case the number of applications for admission is more than the seats available, selection will be made on the basis of written entrance test followed by personal interview. The syllabus for the entrance examination will be declared well in the Prospectus to be issued.</p>	Two years (Full Time)	No.UG/297 of 2005, Dated 25 th July, 2005
50.	Post-Graduate Diploma in Techniques in Chemical Industry (PGDTICI)	O.5345	1) A candidate for being eligible for admission to the course for the P.G. Diploma in Techniques in Chemical Industry (PGDTICI) must have passed Bachelor of Science (B.Sc.) in Chemistry 2) He/She will have to qualify an Entrance Test (ET) conducted by the University Department of Chemistry.	One year (Full-time)	No.UG/455 of 2004, Dated 21 st October, 2004
		O.5346	Every candidate admitted to the Post Graduate Diploma in Techniques in Chemical Industry (PGDTICI) in the University Department of Chemistry, shall have to register himself/herself with the University.		
51.	One Year Post-Graduate Diploma Course in Remote Sensing Technology and Geographic Information Systems	O.5558	<p>1. Graduate in Geology, Geography, IT, Engg., & Civil Diploma Holders with minimum 45% Marks OR 2. Graduate with minimum 45 percent marks and with a valid Certificate/Diploma/Advanced Diploma in Remote Sensing & GIS of 60/120/240 hours respectively. OR</p>	One Year (Full Time)	No.UG/474 of 2005, Dated 25 th November, 2005

			3. Post Graduate degree/diploma in any stream with minimum 45 percent marks.		
52.	Post-Graduate Diploma in Energy Audit and Alternative Energy Sources	O.5653	A candidate for being eligible for this course should have acquired graduation in Science or Engineering of University of Mumbai or any other recognized University. Admission will be based on the merit achieved at the entrance examination conducted for the purpose.	Three Semesters	No.UG/337 of 2006, Dated 28 th August, 2006
53.	Post-Graduate Diploma in Analytical Techniques	O.5718	B.Sc. with Chemistry upto S.Y. level or B.Pharm. or equivalent thereto.	(two years)	No.UG/325 of 2007, Dated 21 st July, 2007
54.	Post-Graduate Diploma in Actuarial Science	O.5492	Graduate in any Faculty from University of Mumbai or any other recognized University.	One Year	No.UG/363 of 2005, Dated 5 th September, 2005
55.	Post-Graduate Diploma in Information Technology	O.4099	<p>(1) A candidate for being eligible for admission to the course for the Post-Graduate Diploma in Information Technology must have passed Bachelor's degree in any discipline.</p> <p>(2) He/She will have to qualify an Entrance Test (ET) conducted by the University Department of Physics.</p> <p>(3) Students will be admitted on the basis of performance in the Entrance Test.</p>	One Year (full-time) Two Semesters	<p>No.UG/36 of 2001, Dated 25th January, 2001</p> <p>No.UG/375 of 2001, Dated 23rd October, 2001</p>
56.	Post-Graduate Advanced Diploma in Naval Architecture and Shipbuilding	O.5772	<p><u>Students admission Eligibility :-</u></p> <p>B.E./B.Tech. in any Engineering Stream from a University or equivalent.</p> <p>B.Sc. Nautical Science/B.Sc. Maritime Science/B.Sc. Nautical Technology (I.D.E.) or equivalent from a recognized University.</p> <p>M.E.O. Class II or higher Certificate of Competency holders, Mates Phase – II or higher Certificate of Competency holders.</p>	One Year Full time (Two semesters of 16 weeks each)	No.UG/387 of 2008, Dated 18 th August, 2008

			Industry sponsored MSBTE Diploma holders or equivalent with minimum Three Years experience in Shipbuilding/ Ship Designing		
57.	Post-Graduate Diploma in Applied, Statistics with Software	O.5490	Graduate in any Faculty from University of Mumbai or any other recognized University.	One Year	No.UG/363 of 2005, Dated 5 th September, 2005
58.	Post-Graduate Diploma in Digital Composting and Visual Effects (PGDDCVE)	O.5817	<p>a) Any Computer Literate Graduate with minimum 50% score at Bachelor's Degree of this or any recognized University, with competence in both written and spoken English.</p> <p>b) Mathematical aptitude and knowledge of scripting language in desirable admission would be on the basis of the performance in the entrance examination and an interview as a part of it. International student wanting admission to second semester at Westminster University will be required to have obtained one of the following within two years of the start of course.</p> <p>c) British Council / Cambridge International English Language Testing Service (IELTS) minimum score of 6.5.</p> <p>d) American Test of English as a Foreign Language (TOEFL) score for the Computer based test is 250.</p>	Six months (full-time)	No.UG/350 of 2009, Dated 9 th September, 2009
59.	Post-Graduate Diploma in Digital and Cyber Forensic and related Law	O.5897	Bachelor degree in Science, Psychology, Law, Engineering, IT, Computer Sciences, Medical Sciences	One Year (Part Time)	No.UG/465 of 2009, Dated 12 th December, 2009.
60.	Post-Graduate Diploma in Forensic Science and related Law	O.5895	Bachelor Degree in Science, Psychology, Law, Engineering, IT, Computer Sciences, Medical Sciences	One Year (Full Time)	No.UG/466 of 2009, Dated 12 th December, 2009

61.	Post Graduate Diploma in Clinical Studies, Data Management and Medical Writing	O.5965	Bachelor Degree in Life Science or Biotechnology or Chemistry or Statistics	One Year (Full Time)	No.UG/382 of 2011,Dated 14 th November, 2011
62.	P.G. Diploma in Bio-nano Technology (C.B.S.G.S.)	6039	Masters in Chemistry or Physics or in any subject of Biological Sciences (Life Sciences / Botany/ Zoology/ Microbiology/ Biochemistry/ Herbal Sciences/Agricultural Sciences etc.) or Nanosciences and Nanotechnology/Bioanalytical Sciences from University of Mumbai or any other recognized University.	One year Full Time	No. UG/113 of 2012-13 Date : 9 th January, 2012
63.	P.G. Diploma in Biopharmaceut-ical Production and Quality Control	O.6043	Masters in any subject of Biological Sciences (Life Sciences / Botany / Zoology / Microbiology / Biochemistry / Herbal Sciences / Agricultural Sciences / Bioanalytical Sciences / Nutraceuticals / Bioinformatics / Biotechnology from University of Mumbai or any other recognized University.	One Year Full Time	No. UG/141 of 2012-13 Date : 15 th February, 2013

CERTIFICATES/DIPLOMA/ADVANCE DIPLOMA (AFTER S.S.C. & H.S.C.)

64.	Certificate Course in Bio-culture Technique	O.5348	XIIth Passed (H.S.C.)	114 days	No.UG/468 of 2004, Dated 1 st November, 2004
65.	Short-term Under-Graduate Courses Viz. 1) Industrial Chemistry 2) Polymers Chemistry & Processing 3) Environment & Industry		XIIth Standard Pass (Science Faculty)	One Year	No.UG/314 of 2004, Dated 31 st July, 2004

66.	Certificate Course in Agro Products Processing	O.5350	XIIth Passed (H.S.C.)	63 days	No.UG/468 of 2004, Dated 1 st November, 2004
67.	Certificate Course in Medical Social Worker	O.5352	XIIth Passed (H.S.C.)	3 Months	No.UG/468 of 2004, Dated 1 st November, 2004
68.	Certificate Course in Food Nutrition & Health	O.5354	XIIth Passed (H.S.C.)	3 Months	No.UG/468 of 2004, Dated 1 st November, 2004
69.	Diploma Course in Computer DTP, Multimedia Web Page Technician A) Computer Technician B) DTP Technician C) Multimedia Technician D) Web Page Technician	O.5356	XIIth Passed (H.S.C.)	A) 1 Months B) 3 Months C) 58 days D) 3 Months	No.UG/468 of 2004, Dated 1 st November, 2004
70.	M.Sc. (By Research)		1) Justification for the M. Sc. (By Research) degree is that 1. The practice of awarding this degree preceeds the introduction of the regular M. Sc. Degree in any of the subjects in the Faculty of Science. 2. The eligibility criteria for admission to this degree is the same as that for the master of science, M. Sc. Degree. 3. The course duration is a minimum twenty four months from the		

			<p>date of admission.</p> <p>4. There is a provision for sixteen credits course work apart from the Thesis being submitted for the award of the degree.</p> <p>5. The entire process from approving the research proposal submitted by the candidate, through his research guide; accepting the synopsis of the thesis to appointing of examiner for the thesis is processed by the Research Recognition Committee of the given subject.</p> <p>6. The thesis is to consist of body of original research work carried out and presented by the candidate under the guidance of a research guide duly recognised by the university.</p> <p>7. The thesis submitted by the candidate is examined and evaluated by an external examiner, not below the rank of a recognised research guide in an university/ institution other than the University of Mumbai.</p> <p>Thus the M. Sc. By Research degree is in no way academically diluted degree.</p>		
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