MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Biochemistry

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility for admission

Candidates shall be admitted to the course provided if he/she has obtained a bachelor's degree in science in biochemistry/Microbiology/Biotechnology/Advanced zoologyandAnimalbiotechnology/PlantScienceandBiotechnology/Zoology/Botany/Chemistry/B.ScNursing/Biology/ LifeScience/Nutrition and&Dietetics/B.S.M.S/B.A.M.S/B.U.M.S/Genetics/Agriculture/IndustrialMicrobology/Environmental Science/Bioinformatics or any other degree that may be considered as equivalent to M.SUniversity

.Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core – 1	Biomolecules	5	5	25	75	100	38	50
	2	Core – 2	Molecular cell biology	5	5	25	75	100	38	50
	3	Core – 3	Genetics	5	5	25	75	100	38	50
	4	Elective - 1	Biostatistics (or) Biomedical Technology	5	5	25	75	100	38	50
	5	Practical	Biochemical,Biophysical and Biomolecular Techniques	5	-	Practical exams in the even semester				
	6	Practical	Enzymes and Microbial Techniques	5	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Biotechnology

(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility:

A pass with 50% marks in Bachelor degree in any biological subjects or Bachelor degree with one allied subject in any biological subjects.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Cell Biology	6	5	25	75	100	38	50
	2	Core - 2	Biomolecules, Gene Organization And Expression	6	5	25	75	100	38	50
	3	Core - 3	Microbial Physiology And Genetics	6	5	25	75	100	38	50
	4	Elective - 1	Biopharmaceuticals From Microorganism (Or) Biomedical Technology (Or) Animal Cell Science (Or) Integrated Pest Management	6	5	25	75	100	38	50
	5	Practical	Lab In Cell Biology, Biomolecules	3	-	Practical exams in the even Semester				
	6	Practical	Genetics And Microbial Physiology	3	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES
M.Sc. Botany
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission

Candidates with B.Sc. Degree in Botany / Plant Biology and Plant Biotechnology with 50% marks or above obtained from Manonmaniam Sundaranar University or equivalent to B.Sc. as recognized by Manonmaniam Sundaranar University in Botany / Plant Biology and Plant Biotechnology with 50% marks or above are eligible to be admitted into this course. However, the relaxation to 50% for SC/ST and MBC candidates is allowed as per the State Government Norms.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Plant Diversity I- Algology and Bryology.	6	5	25	75	100	38	50
	2	Core - 2	Mycology, Lichenology and Molecular Plant Pathology.	6	5	25	75	100	38	50
	3	Core - 3	Microbiology and Immunology.	6	5	25	75	100	38	50
	4	Elective - 1	Phytochemistry (Major/Non-major)	6	5	25	75	100	38	50
	5	Practical	Theory Papers 1,2 & 3	3	-	Practical exams in the even Semester				
	6	Practical	Theory Papers 1,2 & 3	3	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Chemistry

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission

The candidates should have a Bachelor Degree in chemistry from Manonmaniam Sundaranar University or from any other University recognized by the Syndicate of Manonmaniam Sundaranar University.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Organic Chemistry -1	6	5	25	75	100	38	50
	2	Core - 2	Inorgranic Chemistry -1	6	5	25	75	100	38	50
	3	Core - 3	Physical Chemistry -1	6	5	25	75	100	38	50
	5	Practical	Organic Chemistry -1	4	-	Practical Exams in the even Semester				
	6	Practical	Inorganic Chemistry -1	4	-					
	7	Practical	Physical Chemistry -1	4	-					
		Subtotal		30	15	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES

M.Sc. Computer Science

(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility :

Candidates with Bachelor Degree in Computer Science/Applications/ Information Technology or equivalent as recognized by M.S University are eligible for this course.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Mathematical Foundation for Computer Science	4	3	25	75	100	38	50
	2	Core - 2	Design and Analysis of Algorithms	4	3	25	75	100	38	50
	3	Core - 3	Advanced Java Programming	4	3	25	75	100	38	50
		Core - 4	Object Oriented Systems Development	4	3					
	4	Elective - 1	Distributed Computing (or) Embedded Systems (or) Advanced Computer Networks	4	4	25	75	100	38	50
	5	Practical	Algorithm Lab using C++	5	4	Practical exams in the even Semester				
	6	Practical	Advanced Java Lab	5	4					
		Subtotal		30	24	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Software Engineering (2 years)
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility :

Candidates passed Bachelor Degree with Mathematics as one of the subjects in the degree or +2 level.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Mathematical Foundation for Computer Science	5	4	25	75	100	38	50
	2	Core - 2	Object Oriented Programming Using C++	5	4	25	75	100	38	50
	3	Core - 3	Data Structures	5	4	25	75	100	38	50
	4	Elective - 1	Software Engineering (or) Computer Networks (or) Distributed Operating System	5	5	25	75	100	38	50
	5	Practical	C++ Programming Lab	5	4	Practical exams in the even Semester				
	6	Practical	Data Structures Lab	5	4					
		Subtotal		30	25	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Software Engineering (5 Years -Integrated)
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility : Candidates who have passed Higher Secondary Examination with Mathematics or Computer Science as one of the subjects.

Scheme of Examinations

Sem	pt	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
							Maximum			Passing minimum	
							Int.	Ext.	Tot.	Ext.	Tot
I	I	1	Language	Tamil/Other Language	6	3	25	75	100	38	50
	II	2	Language	English	6	3	25	75	100	38	50
	III	3	Core - 1	C Programming	6	4	25	75	100	38	50
		4	Major Practical - I	C Programming Lab	6	5	Practical Exams in the even Semester				
		5	Allied - I	Mathematics - I	4	4	25	75	100	38	50
		6	Allied Practical - I	-	-	-	Practical Exams in the even Semester				
	IV	7	Common	Environmental Studies	2	2	75	75	100	38	50
	Subtotal				30	21	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

Master of Computer Applications

(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission:

Recognized Bachelor's degree minimum 3 years duration with mathematics at 10+2 level or at graduate level. Obtained at least 50% at the qualifying examination.

Scheme of Examinations

Sem	Sub 'Pr. No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	MFCS-I	4	3	25	75	100	38	50
	2	Core - 2	Programming in C	4	3	25	75	100	38	50
	3	Core - 3	Computer system Architecture	4	4	25	75	100	38	50
	4	Core - 4	Fundamentals of Information Technology	4	4	25	75	100	38	50
	5	Core - 5	Internet Programming	4	3	25	75	100	38	50
	6	Practical	Programming in C	5	4	Practical exams in the even Semester				
	7	Practical	MS office and Internet Programming Lab	5	4					
		Subtotal		30	25	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Electronics

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility: Applicants seeking admission to M.Sc degree course In Electronics must have passed the Bachelor's degree in any of the following disciplines.

(i) B.Sc Electronics and Communication
(ii) B.Sc Electronics
(iii) B.Sc Physics
(iv) B.Sc Chemistry with Physics or Electronics as allied subject
(v) B.Sc Mathematics with Physics or Electronics as allied subject
(vi) B.Sc Geology with Physics or Electronics as allied subject
(vii) B.Sc Computer Science
(viii) B.Sc Information Technology
(ix) B.C.A

Scheme of Examinations

SEM	SUB NO.	SUBJECT STATUS	SUBJECT TITLE	HRS/ WEEK	CREDITS	MARKS				
						MAXIMUM			PASSING MINIMUM	
						INT.	EXT	TOT	EXT.	TOT
I	1	Core - 1	Solid State Electronic Devices	6	5	25	75	100	38	50
	2	Core - 2	Applied Mathematics	6	5	25	75	100	38	50
	3	Core - 3	SIGNALS AND SYSTEMS	6	5	25	75	100	38	50
	4	Elective - 1	Electronic Device Analysis (or) Network Theory	6	5	25	75	100	38	50
	5	Practical - I	E LECTRONIC DESIGN LAB	6	-	Practical exams in the even semester				
	6	Practical - II	-	-	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Electronics and Communication

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility For Admisssion:Applicants seeking admission to M.Sc degree course In Electronics and Communication must have passed the Bachelor's degree in any of the following disciplines.

(i) B.Sc Electronics and Communication
(ii) B.Sc Electronics
(iii) B.Sc Physics
(iv) B.Sc Chemistry with Physics or Electronics as allied subject
(v) B.Sc Mathematics with Physics or Electronics as allied subject
(vi) B.Sc Geology with Physics or Electronics as allied subject
(vii) B.Sc Computer Science
(viii) B.Sc Information Technology
(ix) B.C.A

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core – 1	Basic Electronic Materials	6	5	25	75	100	38	50
	2	Core – 2	Applied Mathematics	6	5	25	75	100	38	50
	3	Core – 3	Signals and ystems	6	5	25	75	100	38	50
	4	Elective - 1	Embedded system and RTO'S(Or) NanoElectronics	6	5	25	75	100	38	50
	5	Practical	Electronic Design Lab I	6	-	Practical exams in the even Semester				
	6	Practical		-	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Geology

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility Norms for Admission:

Candidates for admission to the M.Sc., Degree (Geology) Course shall be required to Pass the final examination of B.Sc., Geology and equivalent there to with a minimum marks under academic stream or a course of studies recognized and approved by the Syndicate of the Manonmaniam Sundaranar University, Tirunelveli.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Dynamic Geology and Environmental Geology	5	4	25	75	100	38	50
	2	Core - 2	Palaeontology	5	4	25	75	100	38	50
	3	Core - 3	Structural Geology	5	4	25	75	100	38	50
	4	Elective	Fuel Geology or Marine Geology or Field Geology	5	4	25	75	100	38	50
	5	Practical	Practical- I Dynamic Geology and Environmental Geology, Palaeontology, Structural Geology and Elective Subjects	10	-	Practical exams in the even Semester				
	6	Practical	Practical- I Dynamic Geology and Environmental Geology, Palaeontology, Structural Geology and Elective Subjects	-	-					
		Subtotal		30	16	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Dietetics and Food Management
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards

ELIGIBILITY: A pass in U.G Science degree of any recognized university

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Laboratory Techniques in Nutrition Research– I	6	5	25	75	100	38	50
	2	Core - 2	Clinical Dietetics - I	6	5	25	75	100	38	50
	3	Core - 3	Food Microbiology and Safty	6	5	25	75	100	38	50
	4	Elective - 1	Advanced Food Science and Chemistry	6	5	25	75	100	38	50
	5	Practical	Laboratory Techniques in Nutrition Research– I	3	-	Practical exams in the even Semester				
	6	Practical	Clinical Dietetics - I	3	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Nutrition and Dietetics with Hospitality Management
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

ELIGIBILITY: A pass in U.G Science degree of any recognized University

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core – 1	Advanced Food Science- I	6	5	25	75	100	38	50
	2	Core – 2	Advances in Diet Therapy	6	5	25	75	100	38	50
	3	Core – 3	Nutritional Physiology	6	5	25	75	100	38	50
	4	Elective - 1	Food Packaging	6	5	25	75	100	38	50
	5	Practical	Advanced Food Science- I	3	-	Practical exams in the even semester				
	6	Practical	Advances in Diet Therapy	3	-					
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Information Technology
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission:

Candidates for admission to the first year of two year M.Sc. Information Technology shall be required to have passed any degree from a recognized University accepted by the Syndicate of this University.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Principles of Information Technology	5	4	25	75	100	38	50
	2	Core - 2	Object Oriented Programming using C++	5	4	25	75	100	38	50
	3	Core - 3	Dynamic Web Programming	5	4	25	75	100	38	50
	4	Elective - 1	Data Communication and Networks/Network security and Cryptography/Big Data analytics	5	5	25	75	100	38	50
	5	Practical	C++ Programming	5	-	Practical exams in the even Semester				
	6	Practical	Web Programming	5	-					
		Subtotal		30	17	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Information Technology & System Management
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission:

Candidates for admission to the first year of two year M.Sc. Information Technology and System Management shall be required to have passed any degree from a recognized University accepted by the Syndicate of this University.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Principles of Information Technology	4	5	25	75	100	38	50
	2	Core - 2	Visual Programming	4	5	25	75	100	38	50
	3	Core - 3	Object Oriented Programming with C++	4	5	25	75	100	38	50
	4	Core - 4	E-Commerce	4	5	25	75	100	38	50
	5	Elective - 1	Elective I - Embedded Systems /Network security and Cryptography	4	5	25	75	100	38	50
	6	Practical	Visual Programming Lab	5	-	Practical exams in the even Semester				
	7	Practical	C++Programming	5	-					
		Subtotal		30	25	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Networking and Information Technology
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission:

Candidates for admission to the first year of two year M.Sc. Networking and Information Technology shall be required to have passed any degree from a recognized University accepted by the Syndicate of this University.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs /week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Data Communication and Computer Networks	5	4	25	75	100	38	50
	2	Core - 2	Object Oriented Programming using C++	5	4	25	75	100	38	50
	3	Core - 3	Visual Programming	5	4	25	75	100	38	50
	4	Elective - 1	Software Engineering/ E-Commerce	5	5	25	75	100	38	50
	5	Practical	C++ Programming Lab	5	-	Practical exams in the even Semester				
	6	Practical	Visual programming Lab	5	-					
		Subtotal		30	17	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Information Technology and E-Commerce
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility for Admission:

Candidates for admission to the first year of two year M.Sc. Information Technology and e-commerce shall be required to have passed any degree from a recognized University accepted by the Syndicate of this University.

Scheme of Examinations

Sem	Sub No.	Subject status	SUBJECT TITLE	Hrs/ week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	E-Commerce	5	5	25	75	100	38	50
	2	Core - 2	Principles of Information Technology	5	5	25	75	100	38	50
	3	Core - 3	Advanced Database Management System	5	5	25	75	100	38	50
	4	Core - 4	Object Oriented Programming with C++	5	5	25	75	100	38	50
	5	Elective - 1	Software Testing(or)Multimedia Systems	5	5	25	75	100	38	50
	6	Practical	DBMS Lab	5	-	Practical exams in the even semester				
	7	Practical	C++ Programming	-	-					
		Subtotal		30	25	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI
PG COURSES – AFFILIATED COLLEGES
M.Sc. Mathematics
(Choice Based Credit System)
(with effect from the academic year 2016-2017 onwards)

Eligibility : As per the State Government norms.

Scheme of Examinations

Sem	Sub. No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Algebra I	8	6	25	75	100	38	50
	2	Core - 2	Analysis I	8	6	25	75	100	38	50
	3	Core - 3	Ordinary differential equations	7	6	25	75	100	38	50
	4	Elective	Programming with C++/ Formal languages and Automata Theory/Analytic Number Theory	7	5	25	75	100	38	50
		Subtotal		30	23	-	-		-	-

MANONMANIAM SUNDARANAR UNIVERSITY

TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Maths with Computer Applications

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility :

As per the State Government norms.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	Algebra I	8	5	25	75	100	38	50
	2	Core - 2	Analysis I	8	5	25	75	100	38	50
	3	Core - 3	Discrete Mathematics	6	5	25	75	100	38	50
	4	Core - 4	Office Automation	5	5	25	75	100	38	50
	5	Practical	Office Automation Lab	3	-	-	-	-	-	-
		Subtotal		30	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY
TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Microbiology

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility for admission :

Candidates shall be admitted to the course provided if he / she has obtained a bachelor's degree in science in Microbiology / Biotechnology / Advanced Zoology and Animal Biotechnology / Plant science and Biotechnology / Zoology / Botany / Biochemistry / Biology / Life Science / Nutrition and Dietetics / B.S.M.S. / B.A.M.S. / B.U.M.S. / B.Sc., in MLT / B.E or B.Tech in Biotechnology / Bioengineering / Bio medical sciences / B.Sc., in Nursing / Genetics / Agriculture / Industrial Microbiology /Immunology / Molecular biology / Environmental Science / Virology / Bioinformatics or any other degree that may be considered as equivalent top by the Manonmaniam Sundaranar University.

Scheme of Examinations

Sem	Sub No.	Subject status	Subject Title	Hrs/ week	Credits	Marks				
						Maximum			Passing Minimum	
						Int.	Ext	Tot.	Ext.	Tot
I	1	Core - 1	General Microbiology and Diversity	6	5	25	75	100	38	50
	2	Core - 2	Biochemistry	6	5	25	75	100	38	50
	3	Core - 3	Physiology and Metabolism	6	5	25	75	100	38	50
	4	Elective - 1	Plant Diversity I, Algae, Fungi and Bryophytes, Anatomy, Embryology & Morphogenesis, Invertebrata. Environmental Biology & Biodiversity, Apiculture, Biochemical Techniques and Instrumentation	6	5	25	75	100	38	50
	5	Practical	Plant Diversity I, Algae, Fungi and Bryophytes, Anatomy, Embryology & Morphogenesis, Invertebrata. Environmental Biology & Biodiversity, Apiculture, Biochemical Techniques and Instrumentation	6	-	Practical exams in the even Semester				
	6	Practical	-	-	-					
		Subtotal		3	20	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Physics

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility Norms For Admission:

A candidate with B.Sc Degree Examination in Physics or Applied Physics is eligible for this Course. Candidates who have passed any other UG degree course in science such as Biophysics, Nanoscience, Electronics, Medical Physics etc. may also be considered provided 80 % of the syllabus of the core subjects of the UG course is equivalent to that of the UG course in Physics of this University.

Scheme of Examinations

SEM	SUB NO.	SUBJECT STATUS	SUBJECT TITLE	HRS /WEEK	CREDITS	MARKS				
						MAXIMUM			PASSING MINIMUM	
						INT.	EXT	TOT.	EXT.	TOT
I	1	Core - 1	Classical Mechanics	6	5	25	75	100	38	50
	2	Core - 2	Mathematical Physics I	6	5	25	75	100	38	50
	3	Core - 3	Integrated Electronics	6	5	25	75	100	38	50
	4	Elective - 1	Renewable Energy Sources (or) Optoelectronics and Lasers (or) NonlinearDynamics	6	4	25	75	100	38	50
	5	Practical	General Physics Experiments I	6	-	Practical exam in the even Semester				
	6	Practical	General Physics Experiments I	-	-					
		Subtotal		30	19	-	-	-	-	-

MANONMANIAM SUNDARANAR UNIVERSITY,TIRUNELVELI

PG COURSES – AFFILIATED COLLEGES

M.Sc. Zoology

(Choice Based Credit System)

(with effect from the academic year 2016-2017 onwards)

Eligibility:

Those who have passed B.Sc. Zoology, B.Sc. Advanced Zoology, B.Sc. Applied Zoology, B.Sc. Animal Science and Biotechnology, B.Sc, Advanced Zoology and Biotechnology, B.Sc. Life Science and B.Sc. Biology(Hon.) from recognized university.

Scheme of Examinations

SEM	SUB NO.	SUBJECT STATUS	Subject title	HRS /WEEK	CREDITS	MARKS				
						MAXIMUM			PASSING MINIMUM	
						INT.	EXT	TOT.	EXT.	TOT
I	1	Core - 1	Biochemistry	6	5	25	75	100	38	50
	2	Core - 2	Cell and molecular Biology	6	5	25	75	100	38	50
	3	Core - 3	Developmental Biology	6	5	25	75	100	38	50
	4	Elective - 1	Endocrinology (or) pisciculture	6	5	25	75	100	38	50
	5	Practical	Biochemistry,Cel and Molecular Biology& Development Biology	6	-	Practical exams in the even semester				
	6	Practical	Biochemistry,Cel and Molecular Biology& Development Biology	-	-					
		Subtotal		30	20	-	-	-	-	-