

2- General Education

Division: Math

Terms	Code	First Year								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Lab	Total
First	101 SC.MA	Pure 1	3	2	5	3	160	40	----	200
	102 Sc.MA	Pure 2	4	2	6	3	240	60	----	300
	103 SC.MA	Applied 1	4	4	8	3	320	80	----	400
	104 SC.MA	Physics 1	3	2	5	3	160	10	30	200
	105 SC.MA	General Chemistry & Physics	2	2	4	3	120	10	20	150
		Educational Syllabuses	2+4	-----	6	----	-----	-----	-----	200
		Total		20	14	34	----	-----	-----	-----
Second	106 SC.MA	Pure 3	3	2	5	3	160	40	----	200
	107 SC.MA	Pure 4	4	2	6	3	240	60	---	300
	108 SC.MA	Applied 2	4	4	8	3	320	80	----	400
	109 SC.MA	Physics 2	3	2	5	3	160	10	30	200
	1010 SC.MA	Chemistry	2	2	4	3	120	10	20	150
	1012	Foreign Language 1	4	----	4	3	160	40	----	200
	101 CULT	Human Rights	2	----	2	1	50	-----	----	50
		Educational Syllabuses	2	-----	2	----	-----	-----	-----	100
		Total		24	12	36	----	-----	-----	-----

Terms	Code	<u>Second Year</u>								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Lab	Total
First	201 SC.MA	Pure 5	4	2	6	3	160	80	---	200
	202 SC.MA	Pure 6	8	2	6	3	240	60	---	300
	203 Sc.MA	Applied 3	8	8	8	3	320	80	---	400
	204 SC.MA	Physics 3	8	8	8	3	240	20	80	300
		Foreign Language 2	8	---	8	3	160	80	---	200
		Educational Syllabuses	2	---	2	---	---	---	---	100
		Total	22	12	34	---	---	---	---	---
Second	205 SC.MA	Pure 7	0	2	2	3	160	80	---	200
	206 SC.MA	Pure 8	0	2	2	3	240	60	---	300
	207 SC.MA	Applied 4	8	8	8	3	320	80	---	400
	208 SC.MA	Physics 4	8	8	8	3	240	20	80	300
		Educational Syllabuses	1+2	---	3	---	---	---	---	200
		Total	21	12	23	---	---	---	---	1400

Terms	Code	Third Year								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Lab	Total
First	301 Sc.MA	Pure 9	ε	ϒ	ϒ	ϒ	ϒε.	ϒ.	---	ϒ..
	302 Sc.MA	Pure 10	ϒ	ϒ	ε	ϒ	1ϒ.	ε.	---	ϒ..
	303 Sc.MA	Applied 5	ϒ	ϒ	ο	ϒ	1ϒ.	ε.	---	ϒ..
	304 Sc.MA	Applied 6	ϒ	ϒ	ε	ϒ	1ϒ.	ε.	---	ϒ..
		Educational Syllabuses	1+1.	----	11	----	----	----	----	ϒ..
		Teaching Practice	ε	----	----	----	----	----	----	----
		Total		ϒϒ	λ	ϒε	----	----	----	ϒ..
Second	305 Sc.MA	Pure 11	ε	ϒ	ϒ	ϒ	ϒε.	ϒ.	---	ϒ..
	306 Sc.MA	Pure 12	ϒ	ϒ	ε	ϒ	1ϒ.	ε.	---	ϒ..
	307 Sc.MA	Applied 7	ϒ	ϒ	ο	ϒ	1ϒ.	ε.	---	ϒ..
	308 Sc.MA	Applied 6	ϒ	ϒ	ε	ϒ	1ϒ.	ε.	---	ϒ..
		Educational Syllabuses	8+3	----	11	----	----	----	----	ο..
		Teaching Practice	ε	---	----	----	----	----	---	1..
		Total		ϒϒ	λ	ϒε	----	----	----	ϒ..

Terms	Code	Fourth Year									
		Subject	Hours			Exam Time	Exam Score				
			Lectures	Practical/Discussion	Total		Written	Year Works	Lab	Total	
First	ε.1 Sc.MA	Pure 13	ε	ϒ	6	ϒ	ϒε.	6.	---	ϒ..	
	402 Sc.MA	Pure 14	3	ϒ	5	ϒ	16.	ε.	---	ϒ..	
	403 Sc.MA	Applied 9	2	ϒ	4	ϒ	16.	ε.	---	ϒ..	
	404 Sc.MA	Applied 10	ϒ	ϒ	ε	ϒ	16.	ε.	---	ϒ..	
		Educational Syllabuses	8+3	-----	11	----	----	----	----	600	
		Teaching Practice	ε	---	----	----	----	----	---	----	
		Total	ϒ6	λ	ϒε	----	----	----	---	10..	
Second	ε.ο Sc.MA	Pure 15	ε	ϒ	6	ϒ	ϒε.	6.	---	ϒ..	
	ε.6 Sc.MA	Pure 16	3	ϒ	5	ϒ	16.	ε.	---	ϒ..	
	ε.ϒ Sc.MA	Applied 11	3	ϒ	5	ϒ	16.	ε.	---	ϒ..	
	ε.λ Sc.MA	Applied 12	ϒ	ϒ	ε	ϒ	16.	ε.	---	ϒ..	
		Educational Syllabuses	9+1	---	10	----	----	----	----	ο..	
		Teaching Practice	ε	---	----	----	----	----	---	1..	
		Total	ϒ6	λ	ϒε	----	----	----	---	10..	

Division: Physics and Chemistry

Terms	Code	First Year						
		Subject	Hours	Exam Time	Exam Score			
					Written	Year Works	Practical	Total
First	101 SC.BIO	Organic Chemistry1	4+2	3	160	10	20	200
	102 SC.BIO	Physics (acoustic & prosperities of Matter & Temperature)	4+0	3	120	10	20	150
	103 SC.BIO	Biological Sciences- Botany 1	2+2	3	60	0	10	70
	104 SC.BIO	Mathematics- Differentiation, Algebra & Statics	2+0	3	120	30	---	150
	1012 CULT	Foreign Language 1	4	3	40	10	---	50
		Educational Syllabuses	4+2	3	---	---	---	200
		Total		36	---	---	---	820
Second	105 SC.BIO	Natural, Inorganic & Analytical Chemistry 1	6+6	3	200	10	40	250
	106 SC.BIO	Physics- Electrical, Engineering & Dynamics	5+4	3	120	10	20	150
	107 SC.BIO	Biological sciences- Zoology (General) 1	2+1	3	60	0	10	70
	108 SC.BIO	Mathematics- Integration, Engineering Dynamics	5+3	3	120	30	---	150
	101 CULT	Human Rights	2	2	00	---	---	00
		Educational Syllabuses	2	3	---	---	---	100
		Total		36	---	---	---	720

Terms	Code	Second year					
		Subject	Hours	Exam Score			
				Written	Year Works	Practical	Total
First	201 SC.BIO	Natural, Inorganic & Analytical Chemistry	6+4	16.	1.	3.	20.
	202 SC.BIO	Physics-Natural Light-Electrical & Atomic	6+4	12.	1.	2.	15.
	203 SC.BIO	Zoology(General)2	2+2	6.	0	1.	7.
	204 SC.BIO	Mathematics-Differentiation, Algebra, Solid geometry, Statics & Hedrostateka	5+3	12.	3.	----	15.
		Educational Syllabuses	2	---	----	----	10.
		Total		34	----	----	----
Second	205 SC.BIO	organic Chemistry 2	4+4	12.	1.	2.	15.
	206 SC.BIO	Physics-Thermo dynamics, Nuclear & AC Power	4+4	12.	1.	2.	15.
	207 SC.BIO	Botany (General)2	2+1	6.	0	1.	7.
	208 SC.BIO	Mathematics-Integration, Ordinary Differential Equations & Dynamics	5+2	12.	3.	----	15.
	2012 CULT	Foreign Language 2	4	8.	2.	---	10.
		Educational Syllabuses	2+1	---	----	----	20.
		Total		33	----	----	----

Terms	Code	Third year					
		Subject	Hours	Exam Score			
				Written	Year Works	Practical	Total
First	३०.१ SC.CHE	Organic Chemistry (Numerical intent)	5+2	१६०	१०	३०	२००
	३०.२ SC.CHE	Organic Chemistry (Aliphatic ring)	4+2	160	१०	30	200
	३०.३ SC.CHE	Chemistry of Organic reactions	4+2	160	10	30	200
		Educational Syllabuses	10+1	---	----	----	१००
		Practical Education	4	---	----	----	-----
		Total		३६	----	-----	----
Second	३०.६ SC.CHE	Chemistry-Elements of Transitional Metals & Complexes	5+2	160	१०	30	200
	३०.० SC.CHE	Chemistry-Spectrums, Nuclear & Analytical (Practical)	4+2	160	१०	३०	२००
	३०.१ SC.CHE	Analytical Chemistry 1	4+2	१६०	१०	३०	२००
		Educational Syllabuses	8+3	---	----	----	०००
		Teaching Practice	---	----	----	---	१००
		Total		34	----	-----	----

Terms	Code	Fourth year					
		Subject	Hours	Exam Score			
				Written	Year Works	Practical	Total
First	401 SC.BIO	Chemistry-Thermodynamics & Kinetic	5+2	160	10	30	200
	402 SC.CHE	Chemistry of Careful Analysis & Electric	4+2	160	10	30	200
	ε.3 SC.CHE	Environmental Chemistry	4+2	160	10	30	200
		Educational Syllabuses	8+3	----	----	----	600
		Teaching Practice	4	---	----	----	----
		Total		34	----	-----	----
Second	ε.4 SC.CHE	Chemistry of Heterocyclic Compounds	5+2	160	10	30	200
	ε.5 SC.CHE	Chemistry of Natural Product & Petroleum	5+2	160	10	30	200
	ε.6 SC.CHE	Analytical Chemistry 2	4+2	160	10	30	200
		Educational Syllabuses	9+1	----	----	----	500
		Teaching Practice	4	----	-----	---	100
		Total		34	----	-----	----

Division: Biology and Geology

Terms	Code	First Year								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Practical	Total
First	101 SC.BIO	Botany1	0	ε	9		180	30	90	300
	102 SC.BIO	Zoology1	ε	ε	8		180	30	90	300
	103 SC.BIO	Organic Chemistry1	3	2	0		160	10	20	200
	104 SC.BIO	Physics1	1	2	3		80	0	10	100
	105 SC.BIO	Physics2	1	2	3		80	0	10	100
		Educational Syllabuses	4+2	----	6		----	----	----	200
		Total		18	1ε	3ε		----	----	----
Second	106 SC.BIO	Botany2	ε	ε	8		180	30	90	300
	107 SC.BIO	Zoology2	0	ε	9		180	30	90	300
	108 SC.BIO	Geology 1	2	ε	6		120	20	60	200
	109 SC.BIO	General Chemistry & Physics	3	2	0		160	10	20	200
	1012 CULT	Foreign Language 1	ε	----	ε		ε0	10	----	00
	101 CULT	Human Rights	2	----	2	2	00	----	----	00
		Educational Syllabuses	2	----	2		----	----	----	100
		Total		22	1ε	36		----	----	----

Terms	Code	Second Year								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Practical	Total
First	201 SC.BIO	Botany3	0	ε	9		180	30	90	300
	202 SC.BIO	Zoology3	0	ε	9		180	30	90	300
	203 SC.BIO	Organic Chemistry3	ε	γ	6		160	10	20	200
	204 SC.BIO	Physics3	γ	γ	ε		80	0	10	100
	1012 CULT	Foreign Language 2	ε	----	ε		160	ε0	----	200
		Educational Syllabuses	γ	---	γ		----	----	----	100
		Total		γγ	1γ	3ε		----	----	----
Second	γ00 SC.BIO	Botany4	ε	ε	8		180	30	90	300
	γ06 SC.BIO	Zoology4	ε	ε	8		180	30	90	300
	γ0γ SC.BIO	Geology 4	γ	ε	γ		120	20	60	200
	γ08 SC.BIO	Organic Chemistry3	γ	γ	0		160	10	20	200
	γ09 SC.BIO	Physics4	1	γ	3		80	0	10	100
		Educational Syllabuses	2+1	----	3		----	----	----	200
		Total		1γ	1γ	3ε		----	----	----

Terms	Code	Third Year								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Practical	Total
First	٣٠١ SC.BIO	Botany5	٤	٤	٨		١٨٠	٣٠	٩٠	٣٠٠
	٣٠٢ SC.BIO	Zoology5	٤	٤	٨		١٨٠	٣٠	٩٠	٣٠٠
	٣٠٣ SC.BIO	Geology3	٢	٢	٤		٩٠	١٥	٤٥	١٥٠
		Educational Syllabuses	10+1	-----	١١		-----	-----	-----	٧٠٠
		Teaching Practice	٤	-----	٤		-----	-----	-----	-----
		Total	٢٥	١٠	٣٥		-----	-----	-----	١٤٥٠
Second	٣٠٤ SC.BIO	Botany6	٤	٤	٨		١٨٠	٣٠	٩٠	٣٠٠
	٣٠٥ SC.BIO	Zoology6	٤	٤	٨		١٨٠	٣٠	٩٠	٣٠٠
	٣٠٦ SC.BIO	Biochemistry1	٢	٢	٤		١٦٠	١٠	٣٠	٢٠٠
		Educational Syllabuses	8+3	----	١١		-----	-----	-----	٥٠٠
		Teaching Practice	٤	---	٤		-----	-----	-----	١٠٠
		Total	٢٥	١٠	٣٥		-----	-----	-----	١٤٥٠

Terms	Code	Fourth Year								
		Subject	Hours			Exam Time	Exam Score			
			Lectures	Practical/Discussion	Total		Written	Year Works	Practical	Total
First	401 SC.BIO	Botany7	ε	ε	λ		1λ.	3.	9.	30.
	ε.γ SC.BIO	Zoology7	ε	3	γ		1λ.	3.	9.	30.
	403 SC.BIO	Geology4	γ	γ	ε		9.	10	ε0	10.
		Educational Syllabuses	8+3	-----	11		----	----	----	60.
		Teaching Practice	ε	----	ε		----	----	----	----
		Total	γ0	9	3ε		----	-----	----	130.
Second	404 SC.BIO	Zoology8	ε	3	γ		1λ.	3.	9.	30.
	405 SC.BIO	Botany8	ε	3	γ		1λ.	3.	9.	30.
	406 SC.BIO	Biochemistry2	1	γ	3		λ.	0	10	10.
	407 SC.BIO	Inorganic Chemistry2	1	γ	3		λ.	0	10	10.
		Educational Syllabuses	9+1	---	10		----	-----	----	00.
		Teaching Practice	ε	----	ε		----	----	----	10.
		Total	γε	10	3ε		----	-----	----	1ε0.

Division: Physics

Terms	Code	Third Year					
		Subject	Hours	Exam Score			
				Written	Year Works	Practical	Total
First	३०१ SC.CHE	Atomic & Nuclear Physics	5+2	१६०	१०	३०	२००
	302 SC.CHE	Theoretical Physics	4+2	160	१०	30	200
	३०३ SC.CHE	Electronics & Various Optics Physics	4+2	१६०	१०	३०	२००
		Educational Syllabuses	10+1	----	----	----	६००
		Teaching Practice	4	---	----	----	----
		Total		३६	----	-----	----
Second	३०६ SC.CHE	Solid State Physics	5+2	१६०	१०	३०	२००
	३०७ SC.CHE	Nuclear Physics & Special Relativity	4+2	१६०	१०	३०	२००
	३०८ SC.CHE	Physics of Electromagnetic	4+2	१६०	१०	३०	२००
		Educational Syllabuses	8+3	----	----	----	७००
		Teaching Practice	4	----	-----	---	१००
		Total		34	----	-----	----

Terms	Code	Fourth Year					
		Subject	Hours	Exam Score			
				Written	Year Works	Practical	Total
First	୧୦୧ SC.CHE	Quantum Physics	5+2	୧୬୦	୧୦	୩୦	୨୦୦
	402 SC.CHE	Physics of Semiconductors	4+2	160	୧୦	30	200
	୧୦୩ SC.CHE	Atomic Physics & lasers	4+2	୧୬୦	୧୦	୩୦	୨୦୦
		Educational Syllabuses	8+3	----	----	----	୬୦୦
		Teaching Practice	4	---	----	----	----
		Total		୩୧	----	----	----
Second	୧୦୧ SC.CHE	Solid State Physics-Applications of Quantum Theory	5+2	୧୬୦	୧୦	୩୦	୨୦୦
	405 SC.CHE	Physics & Partial Spectrums	5+2	୧୬୦	୧୦	୩୦	୨୦୦
	୧୦୬ SC.CHE	Atomic & Radiological Physics	4+2	୧୬୦	୧୦	୩୦	୨୦୦
		Educational Syllabuses	9+1	----	----	----	୫୦୦
		Teaching Practice	4	----	----	---	୧୦୦
		Total		34	----	----	----