						Department of	of Physics							
						BSc(General) M	ajor Physics							
Level	Sem	Disciplinary Major Mandatory	DSE Electives					OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP		Exit Credit	Final Total Credits
4.5	Ι	2Cr-T:Mechanics 2Cr- T:Physics Principles and applications 2Cr- P:Physics Practical based on Section 1 and Section2		Electronics	Statistics	Mathematics	Chemistry	Physics in Everyday Life (Practical) 2 Cr (Arts) Physics in Sports (Practical) 2 Cr (Commerce)	(Practical) (VSC) 2Cr- P:Build your	2Cr-T:English (AEC) 2Cr- T:Environment Science(VEC) 2Cr- T:Philosophy of Physics/ History of Physics- Ancient to Modern era (IKS)	2Cr: Yoga (CC)	22		22
4.5	II	2Cr-T:Thermodynamics 2Cr-T:Electricity and Magnetism 2Cr- P:Physics Practical based on Section 1 and Section 2		2Cr-T:Basics of Electronic devices and Systems		2Cr-T:Basic Course in Algebra		2Cr-P: Instrumentation for agriculture	2Cr- P:Exploring Physics using softwares(VSC) 2Cr-P:Python Programming(S EC)		2Cr:Perfo rming Arts (CC)	22		22
Cumu	lative	12				2		8	8	10	4	44	4	48
					Certific	ate on Exit + 4 c	redit Bridge (Course						

Department of Physics														
BSc(General) Major Physics														
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Minor Electronics Statistics Mathematics Chemistry				OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits
5		2Cr-T:Mathematical Methods in Physics 2Cr- T:Electronics/ Instrumentation 2Cr- P:Physics Practical based on Section 1 2Cr- P:Physics Practical based on Section 2		System Design 2Cr- P:Practicals based on Digital System Design	T:Introductio n to R software and learning of	2Cr-T:Basic Course in Calculus 2Cr- P:Practical Course based on Minor Paper - 2	•	2Cr-P:Physics in Sports/ Physics of Music	-	2Cr-T:English (AEC)	2Cr- P:Major Specific Project(F P) 2Cr- Music	22	4	26
5		2Cr-T:Waves and Oscillations 2Cr- T:Optics 2Cr-P:Physics Practical based on Section 1 2Cr-P:Physics Practical based on Section 2		System Design 2Cr- P:Practicals based on Analog System Design	T:Fittiting of mathematical models for predicative	-	4Cr- T:Chemistry of Materials		2Cr-P:Python Programming for Scientific Data Analysis (VEC)	2Cr-T:English (AEC)	2Cr- P:Commu nity Engageme nt Project (CEP) 2Cr: Drama 2	22		22
Cumu	lative	28			1	0		12	12	14	12	88		96
					Diploma on	Exit + 4 credits of	of NSQF and	Internship						

						Department o	•							
						BSc(General) Ma	ijor Physics							
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Minor				OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC,		Exit Credit	Final Total
				Electronics	Statistics	Mathematics	Chemistry				RP			Credits
5.5	V	T:Atomic and	Material Science 2Cr-P:Practical based on Major	systems 2Cr-	2Cr- T:Statistical Quality control 2Cr- P:Practical based on Statistical Quality control	2Cr- T:Differential and Integral Calculus 2Cr- P: Practical Course based on Minor Paper - 6	2Cr- P:Laborator y Safety 2Cr-T:IPR and Chemoinfor matics		2Cr-P:PV Solar Systems /Renewable and Non Renewable Energy Sources(VSC)		2Cr- Communi ty Engageme nt Project	22		22
5.5	VI	2Cr-T:Nuclear Physics 2Cr-T:Electronics II 2Cr	Biophysics 2Cr- P:Practical based on Major Elective-2	Systems 2Cr- P:Interfacing and	n to Pythan for handling	Mathematics 2Cr- P:Practical Course based	2Cr- T:Instrume ntal methods of analysis 2Cr-P: Analytical Chemistry Practical Course				4Cr:On Job Training	22		22
Cumu	Cumulative 48 8 18							12	14	14	18	132		140
						Award of I	Degree							

	Department of Physics													
BSc(General) Major Physics														
Level	Sem	Disciplinary Major Mandatory	DSE Electives	Minor Electronics Statistics Mathematics Chemistry				OE	VC/SEC	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Total	Exit Credit	Final Total Credits
6	VII	Mathematics for Physicist. 3 Cr (Th) Advance Electronics 3Cr (Th) Advance	Material Science I 2 Cr (Pr) Practical based on Elective Subject			2Cr-P: Research								
6	VIII	Classical Mechanics 3 Cr (Th) Modern Physics 3Cr (Th) Advance Electronics 3 Cr (Th) Advance Solid State Physics 2 Cr (Pr) Physics Practical	Practical based on Elective Subject								4 Cr OJT			
Cumu	lative	76	16			22	Four	12		14	22	176		184
							Four Year	UG Honours Deg	ree					
				l										