

Day		08:00—09:20	09:30—10:50	11:00—12:20	12:30—13:50	14:00—15:20	15:30—16:50	18:00—19:20	19:30—20:50
Monday	B1	CS1133 (S1)	HMCS1002 (S1)	CS2053 (S4)	CS2053 (S2)	CS3773 (S1)	CS3163 /CSB13163 (S2)	CS5113 (S1)	CS5113 (S1)
	B1	Introduction to Programming	Pakistan Studies	Discrete Structures	Discrete Structures	Computer Communication and Networks	Design and Analysis of Algorithms	Advanced Theory of Computation	Advanced Theory of Computation
	B2	HMCS1002 (S2)	CS1133 (S2)	CS2153 (S3)	CS2153 (S5)	CS3613 (S1)	CS3613 (S2)	BI5753	BI5753
	B2	Pakistan Studies	Introduction to Programming	Advanced Computer Programming	Advanced Computer Programming	Theory of Automata and Formal Languages	Theory of Automata and Formal Languages	Advanced Bioinformatics	Advanced Bioinformatics
	B3	HMCS1013 (S3)	MTCS1013 (S3)	CS2143 /CSB12143 (S1)	CS2143 /CSB12143 (S3)	CS2143 /CSB12143 (S2)	CS4743 (S2)	CS5413 (S2)	CS5413 (S2)
	B3	English-I	Calculus and Analytical Geometry	Data Structures	Data Structures	Data Structures	Internet of the Things	Advanced Computer Architecture	Advanced Computer Architecture
	B4		BI1113 (S1)	HMCS2033 (S3)	CS2053 (S3)	CS4743 (S1)	SE3213 (S1)		
	B4		Cell Biology	Technical Report Writing	Discrete Structures	Internet of the Things	Object Oriented Analysis and Design		
	B5	CSBS1133 (S1)	MTCS1013 (S4)	ACCS2003 (S1)	ACCS2003 (S2)	CS2512 (S1)	CS4873 (S1)		
	B5	Introduction to Programming	Calculus and Analytical Geometry	Principle of Accounting- I	Principle of Accounting- I	Digital Logic Design	Malware Analysis		
	E3	MTCS1023 (S4)							
	E3	Calculus-II							
	E4			CS4813 (S2)	CS4813 (S1)				
	E4			Artificial Intelligence	Artificial Intelligence				
	E5	CS1143 (S3)	HMCS1023 (S3)	CS3513 (S1)	MTCS2043 (S1)	HMBS2033 (1)	HMBS2033 (2)		
	E5	Object Oriented Programming	English- II	Computer Architecture	Applied Differential Equations	Technical Report Writing	Technical Report Writing		
	E6	HMCS1012 (S2)	CS1143 (S2)	BI1143 (S1)	CS2153 (S1)	CS4873 (S2)	MTCS1033 /MTBI1033 (S6)		
	E6	Islamic Studies	Object Oriented Programming	Introduction to Microbiology	Advanced Computer Programming	Malware Analysis	Linear Algebra		
	F3			BI2423 (S3)		BI3513	MB2323		
	F3			Molecular Genetics		Protein Chemistry	Microbial Ecology		
	F4	HMBS1023 (S1)		CS2153 (S2)	BI3193	ACBS2003 (S1)	SE3823 (S2)		
	F4	English-II		Advanced Computer Programming	Biosystematics and Classification	Accounting-I	Agile Software Development		
	F5	CS1143 (S1)	HMCS1012 (S1)	CS3713 (S1)	CS3713 (S2)	SE3213 (S2)	SE3213 (S3)		
	F5	Object Oriented Programming	Islamic Studies	Introduction to Information Security and Forensics	Introduction to Information Security and Forensics	Object Oriented Analysis and Design	Object Oriented Analysis and Design		
	F6	HMCS1023 (S5)	CS1143 (S4)	CS2053 (S1)	SE3643 (S1)	SE3213 (S4)	CS2512 (S2)		
	F6	English- II	Object Oriented Programming	Discrete Structures	Software Architecture	Object Oriented Analysis and Design	Digital Logic Design		
I3			S1-ITP-G1	S1-ITP-G2	MTCS1033 /MTBI1033 (S5)	CS4833 (S1)			
I3			ITP Tutorial	ITP Tutorial	Linear Algebra	Wireless Security			
I4	MTCS3063/MTBI2033 (S6)	CS2153 (S4)		HMBS1012 (S1)					
I4	Probability and Statistics/Statistical Methods in Biology	Advanced Computer Programming		Islamic Studies/Ethics					
B9		CS2053 (S5)			SE3823 (S1)				
B9		Discrete Structures			Agile Software Development				
B10		HMCS1023 (S6)			SE4273 (S1)				
B10		English- II			Software Project Management				
B1	HMBS1002 (S1)		HMCS2053 /HMBI2053 (S1)	HMCS2053 /HMBI2053 (S2)	CS3193 (S1)	CS3193 (S2)	CS6143	CS6143	
B1	Pakistan Studies		Introduction to Psychology	Introduction to Psychology	Web Application Development	Web Application Development	Ontology Engineering	Ontology Engineering	
B2	CS1133 (S3)	HMCS1002 (S3)	HMCS2063 /HMBI20163 (S2)	HMCS2063 /HMBI20163 (S1)	MGCS1003 /MGBI1003 (S1)	MGCS1003 /MGBI1003 (S2)	BI5193	BI5193	
B2	Introduction to Programming	Pakistan Studies	Introduction to Sociology	Introduction to Sociology	Introduction to Management	Introduction to Management	Advanced Microbiology and Immunology	Advanced Microbiology and Immunology	

Tuesday	B3	HMCS1013 (S1)	PHCS1013 (S1)	CS4193 /CSBI4193 (S1)	SE3223 (S1)	CS3163 /CSBI3163 (S1)	CS3773 (S2)	
		English-I	Applied Physics	Mobile Application Development	Formal Software Specification	Design and Analysis of Algorithms	Computer Communication and Networks	
	B4	PHCS1013 (S2)	HMCS1013 (S2)		SE4313 (S1)	CS3413 (S2)	CS3413 (S1)	
		Applied Physics	English-I		Agent Based Software Engineering	Operating Systems	Operating Systems	
	B5	CS1133 (S4)	CS4193 /CSBI4193 (S2)	CS3272/CSBI3272 (S1)	CS3272/CSBI3272 (S2)	CS4553 (S1)	CS4333 (S1)	
		Intorduction to Programming	Mobile Application Development	Human Computer Interaction	Human Computer Interaction	Advance Mobile Application Development	Introduction to Data Warehouse	
	B7	MTCS1023 (S3)	MTBI1003 (S1)	HMCS2053 /HMBI2053 (S3)	HMCS2063 /HMBI20163 (S3)			
		Calculus-II	Basic Mathematics	Introduction to Psychology	Introduction to Sociology			
	E5	HMCS1023 (S1)	MTCS1023 (S1)	MTBS1013 (S1)	CS4623 (S1)			
		English- II	Calculus-II	Calculus I	Compiler Construction			
	E6	HMCS1012 (S6)	HMCS1012 (S3)	HMCS2033 (S2)	HMCS2033 (S1)		BI4453	
		Islamic Studies	Islamic Studies	Technical Report Writing	Technical Report Writing		Genetic Engineering	
	F3	BI3813					MTCS3063/MTBI2033 (S5)	
		Introduction to Biotechnology					Probability and Statistics/Statistical Methods in Biology	
	F4	MTCS1023 (S2)	HMCS1023 (S2)			MGCS1003 /MGBI1003 (S3)		
		Calculus-II	English- II			Introduction to Management		
	F2					CS2522 (S5)		
						Computer Organisation & Assembly Lang.		
	B8			BI2423 (S2)			SE4293 (S1)	
				Molecular Genetics			Component Baed Development	
	F5	HMCS1012 (S4)	BI2423 (S1)	CS2053 (S6)	SE3263 (S1)	CS3193 (S3)	CS4333 (S2)	
		Islamic Studies	Molecular Genetics	Discrete Structures	Software Requirement Engineering	Web Application Development	Introduction to Data Warehouse	
	F6	CS1143 (S5)	CS1143 (S6)	CS2522 (S1)	MTCS3063/MTBI2033 (S1)	HMCS1033 (S1)	CS2522 (S3)	
		Object Oriented Programming	Object Oriented Programming	Computer Organisation & Assembly Lang.	Probability and Statistics/Statistical Methods in Biology	Personal Management and Grooming	Computer Organisation & Assembly Lang.	
	B9	CS2053 (S7)	BI2213 (S2)	MTCS3063/MTBI2033 (S2)	CS2522 (S2)			
		Discrete Structures	Chemistry	Probability and Statistics/Statistical Methods in Biology	Computer Organisation & Assembly Lang.			
J4				BI2213 (S1)	MTCS3063/MTBI2033 (S3)	HMC3123 (S1)		
				Chemistry	Probability and Statistics/Statistical Methods in Biology	Introduction to Logic(Humanities-II)		
J1			S2-ITP-G1	S2-ITP-G2				
			ITP Tutorial	ITP Tutorial				
J2				CS4623 (S2)				
				Compiler Construction				
J3			BI3163	BI3343	MTCS3063/MTBI2033 (S4)	CS2522 (S4)		
			Comparative Anatomy	Public Health and Environment	Probability and Statistics/Statistical Methods in Biology	Computer Organisation & Assembly Lang.		
C2					SE4293 (S2)			
					Component Baed Development			

Wednesday	B1	MTCS1013 (S1)	HMCS1002 (S1)	CS2512 (S1)	CS2512 (S2)	SE2223 /SEBI2223 (S3)	SE3213 (S3)		
		Calculus and Analytical Geometry	Pakistan Studies	Digital Logic Design	Digital Logic Design	Software Engineering-I	Object Oriented Analysis and Design		
	B2	HMCS1002 (S2)	MTCS1013 (S2)	CS2313 /CSBI2313 (S2)	CS2313 /CSBI2313 (S1)	CS2313 /CSBI2313 (S3)	CS3613 (S2)	BI5623	BI5623
		Pakistan Studies	Calculus and Analytical Geometry	Introduction to Database Systems	Introduction to Database Systems	Introduction to Database Systems	Theory of Automata and Formal Languages	Advanced Medicinal Plants	Advanced Medicinal Plants
	B3	HMCS1013 (S3)	PHCS1013 (S3)	CS2053 (S1)	SE2223 /SEBI2223 (S1)	CS3773 (S1)	CS3163 /CSBI3163 (S2)		
		English-I	Applied Physics	Discrete Structures	Software Engineering-I	Computer Communication and Networks	Design and Analysis of Algorithms		
	B4		HMBS2113 (S1)	SE2223 /SEBI2223 (S2)	CS2053 (S3)	SE3213 (S2)	SE3213 (S1)	CS5413 (S1)	CS5413 (S1)
			Major World Religions	Software Engineering-I	Discrete Structures	Object Oriented Analysis and Design	Object Oriented Analysis and Design	Advanced Computer Architecture	Advanced Computer Architecture
	B5	HMBS2113 (S2)	PHCS1013 (S4)	CS4883 (S1)	CS4883 (S2)	BI3193	SE2223 /SEBI2223 (S4)	CS5113 (S2)	CS5113 (S2)
		Major World Religions	Applied Physics	Introduction to Data Science	Introduction to Data Science	Biosystematics and Classification	Software Engineering-I	Advanced Theory of Computation	Advanced Theory of Computation
	F3		BI1143 (S2)			ACBS2003 (S1)			
			Introduction to Microbiology			Accounting-I			
	F4		SE3643 (S1)			CS4873 (S2)	CS4873 (S1)		
			Software Architecture			Malware Analysis	Malware Analysis		
	F5	MTCS1033 /MTBI1033 (S3)	HMCS1023 (S3)	HMCS1012 (S2)	MB2323	SE3633 (S1)	SE3633 (S2)		
		Linear Algebra	English- II	Islamic Studies	Microbial Ecology	Software Testing	Software Testing		
	F6	HMCS1012 (S1)	MTCS1033 /MTBI1033 (S1)	CS2053 (S4)	CS2053 (S5)	CS3183 (S2)	CS3183 (S1)		
		Islamic Studies	Linear Algebra	Discrete Structures	Discrete Structures	Enterprise Application Development	Enterprise Application Development		
	E5	HMCS1023 (S4)	MTCS1033 /MTBI1033 (S4)						
		English- II	Linear Algebra						
	E6	MTCS1033 /MTBI1033 (S2)	HMCS1012 (S5)		BI2423 (S3)	CS3613 (S1)	CS4833 (S1)		
		Linear Algebra	Islamic Studies		Molecular Genetics	Theory of Automata and Formal Languages	Wireless Security		
	B8			HMBS1013 (S1)	CSBS1133 (S1)	HMBS2033 (2)			
				English-I	Introduction to Programming	Technical Report Writing			
	B9			ACCS2003 (S1)	ACCS2003 (S2)	SE3213 (S4)			
				Principle of Accounting- I	Principle of Accounting- I	Object Oriented Analysis and Design			
B10			CS3272/CSBI3272 (S3)	CS3272/CSBI3272 (S4)					
			Human Computer Interaction	Human Computer Interaction					
J1			S4-ITP-G1	S4-ITP-G2					
			ITP Tutorial	ITP Tutorial					
J2			BI1143 (S1)	S1-Cal-G1	S1-Cal-G2				
			Introduction to Microbiology	Cal Tutorial	Cal Tutorial				
J3	BI3813	CS2053 (S2)	BI3513						
	Introduction to Biotechnology	Discrete Structures	Protein Chemistry						
J4		HMCS1023 (S6)	S2-Cal-G1		SE2223 /SEBI2223 (S5)				
		English- II	Cal Tutorial		Software Engineering-I				
B1	PHCS1013 (S1)	CS1133 (S1)	HMCS2053 /HMBI2053 (S1)	HMCS2053 /HMBI2053 (S2)	CS3163 /CSBI3163 (S1)	CS3773 (S2)	BI5423	BI5423	
	Applied Physics	Introduction to Programming	Introduction to Psychology	Introduction to Psychology	Design and Analysis of Algorithms	Computer Communication and Networks	Advanced Medical Genetics	Advanced Medical Genetics	
B2	HMCS1002 (S3)	MTCS1013 (S3)	HMCS2063 /HMBI20163 (S2)	HMCS2063 /HMBI20163 (S1)	CS3413 (S2)	CS3413 (S1)	CS6723	CS6723	
	Pakistan Studies	Calculus and Analytical Geometry	Introduction to Sociology	Introduction to Sociology	Operating Systems	Operating Systems	Mobile and Wireless Networks	Mobile and Wireless Networks	

Thursday	B3		HMBS1002 (S1)	SE4293 (S2)	SE4313 (S1)	SE4273 (S1)	HMC3123 (S1)	CS6323	CS6323
			Pakistan Studies	Component Baed Development	Agent Based Software Engineering	Software Project Management	Introduction to Logic(Humanities-II)	Web Mining	Web Mining
	B4	CS1133 (S2)	PHCS1013 (S2)	CS4553 (S1)	CS4333 (S1)				
		Intorduction to Programming	Applied Physics	Advance Mobile Application Development	Introduction to Data Warehouse				
	B5		MTCS1013 (S4)	CS2522 (S1)	CS2522 (S2)	CS4813 (S2)	CS4813 (S1)		
			Calculus and Analytical Geometry	Computer Organisation & Assembly Lang.	Computer Organisation & Assembly Lang.	Artificial Intelligence	Artificial Intelligence		
	B6				SE4293 (S1)				
					Component Baed Development				
	B10	BI1113 (S1)	MTCS3063/MTBI2033 (S3)	HMCS2033 (S2)		MGCS1003 /MGBI1003 (S1)	MGCS1003 /MGBI1003 (S2)		
		Cell Biology	Probability and Statistics/Statistical Methods in Biology	Technical Report Writing		Introduction to Management	Introduction to Management		
	E5	HMCS1012 (S3)	CS1143 (S3)	BI3163	CS4333 (S2)	BI2213 (S2)			
		Islamic Studies	Object Oriented Programming	Comparative Anatomy	Introduction to Data Warehouse	Chemistry			
	E6	HMCS1023 (S5)	BI2423 (S2)	BI2423 (S1)	MTBS1013 (S1)	CS3193 (S1)	CS3193 (S2)		
		English- II	Molecular Genetics	Molecular Genetics	Calculus I	Web Application Development	Web Application Development		
	F4	CS1143 (S2)	HMCS1023 (S2)			CS3713 (S2)	CS3713 (S1)		
		Object Oriented Programming	English- II			Introduction to Information Security and Froensics	Introduction to Information Security and Froensics		
	F5	CS1143 (S4)	HMCS1012 (S4)	MTCS3063/MTBI2033 (S2)		SE3823 (S2)	SE3823 (S1)		
		Object Oriented Programming	Islamic Studies	Probability and Statistics/Statistical Methods in Biology		Agile Software Development	Agile Software Development		
	F6	HMCS1023 (S1)	CS1143 (S1)			CS3193 (S3)	BI3823	BI4453	
		English- II	Object Oriented Programming			Web Application Development	Bioethics and Biosafety	Genetic Engineering	
	J2		MTCS3063/MTBI2033 (S6)			MTCS3063/MTBI2033 (S1)			
			Probability and Statistics/Statistical Methods in Biology			Probability and Statistics/Statistical Methods in Biology			
	J3		CS2522 (S5)	S4-Cal-G1	S4-Cal-G2	CS2522 (S3)	CS2522 (S4)		
			Computer Organisation & Assembly Lang.	Cal Tutorial	Cal Tutorial	Computer Organisation & Assembly Lang.	Computer Organisation & Assembly Lang.		
	J4		BI2213 (S1)	HMCS2053 /HMBI2053 (S3)	HMCS2063 /HMBI20163 (S3)	HMCS1033 (S1)			
			Chemistry	Introduction to Psychology	Introduction to Sociology	Personal Management and Grooming			
	B9			CS3272/CSBI3272 (S1)	CS3272/CSBI3272 (S2)				
				Human Computer Interaction	Human Computer Interaction				
B12				HMCS2033 (S1)	MGCS1003 /MGBI1003 (S3)				
				Technical Report Writing	Introduction to Management				
B7				SE3263 (S1)					
				Software Requirement Engineering					
E3						SE3223 (S1)			
						Formal Software Specification			
E4					MTCS3063/MTBI2033 (S4)	MTCS3063/MTBI2033 (S5)			
					Probability and Statistics/Statistical Methods in Biology	Probability and Statistics/Statistical Methods in Biology			

Friday	B1	CS1133 (S3)	PHCS1013 (S3)	CS2313 /CSBI2313 (S1)	CS3272/CSBI3272 (S3)	CS3272/CSBI3272 (S4)	CS5953	CS5953
		Introduction to Programming	Applied Physics	Introduction to Database Systems	Human Computer Interaction	Human Computer Interaction	Applied Cryptography	Applied Cryptography
	B2	HMCS1013 (S1)	MTCS1013 (S1)	CS4623 (S1)	CS4883 (S1)	CS4883 (S2)	CS6613	CS6613
		English-I	Calculus and Analytical Geometry	Compiler Construction	Introduction to Data Science	Introduction to Data Science	Modeling and Optimization	Modeling and Optimization
	B3	MTCS1013 (S2)	HMCS1013 (S2)	CS2143 /CSBI2143 (S3)		CS3183 (S1)		
		Calculus and Analytical Geometry	English-I	Data Structures		Enterprise Application Development		
	B4	HMBS1013 (S1)		CS2053 (S6)	SE2223 /SEBI2223 (S2)	SE2223 /SEBI2223 (S1)		
		English-I		Discrete Structures	Software Engineering-I	Software Engineering-I		
	B5	HMBS1023 (S1)	HMBS2113 (S1)	HMBS2113 (S2)	CS2153 (S1)	CS2153 (S2)		
		English-II	Major World Religions	Major World Religions	Advanced Computer Programming	Advanced Computer Programming		
	B6	CS1143 (S5)	CS1143 (S6)	MTCS1023 (S4)				
		Object Oriented Programming	Object Oriented Programming	Calculus-II				
	B7	MTCS1033 /MTBI1033 (S4)	HMCS1023 (S4)	CS2153 (S3)				
		Linear Algebra	English- II	Advanced Computer Programming				
	E5	HMCS1012 (S6)	MTCS1033 /MTBI1033 (S3)	SE2223 /SEBI2223 (S4)	CS4193 /CSBI4193 (S1)	CS4193 /CSBI4193 (S2)		
		Islamic Studies	Linear Algebra	Software Engineering-I	Mobile Application Development	Mobile Application Development		
	E6	MTCS1023 (S1)	MTCS1033 /MTBI1033 (S1)		CS3183 (S2)	HMBS2033 (1)		
		Calculus-II	Linear Algebra		Enterprise Application Development	Technical Report Writing		
	J1				MTCS1033 /MTBI1033 (S5)	MTCS1033 /MTBI1033 (S6)		
	J2			S2-Cal-G2	Linear Algebra	Linear Algebra		
				Cal Tutorial	SE3633 (S1)	HMBS1012 (S1)		
	J3	CS2313 /CSBI2313 (S3)	CS2053 (S7)	CS2313 /CSBI2313 (S2)	Software Testing	Islamic Studies/Ethics		
		Introduction to Database Systems	Discrete Structures	Introduction to Database Systems	BI1143 (S2)	BI3823		
J4	CS2143 /CSBI2143 (S2)	CS2143 /CSBI2143 (S1)	CS4623 (S2)	Introduction to Microbiology	Bioethics and Biosafety			
	Data Structures	Data Structures	Compiler Construction	BI3343	SE3633 (S2)			
F5		HMCS2033 (S3)		Public Health and Environment	Software Testing			
		Technical Report Writing		CS3513 (S1)	MTCS2043 (S1)			
F6	MTCS1033 /MTBI1033 (S2)	MTCS1023 (S2)	HMCS1012 (S5)	Computer Architecture	Applied Differential Equations			
	Linear Algebra	Calculus-II	Islamic Studies	CS2153 (S4)	CS2153 (S5)			
B10		SE2223 /SEBI2223 (S3)		Advanced Computer Programming	Advanced Computer Programming			
		Software Engineering-I		CS4743 (S2)	CS4743 (S1)			
B9	PHCS1013 (S4)	SE2223 /SEBI2223 (S5)	MTCS1023 (S3)	Internet of the Things	Internet of the Things			
	Applied Physics	Software Engineering-I	Calculus-II					
B8		MTBI1003 (S1)	CS1133 (S4)					
		Basic Mathematics	Intorduction to Programming					