



N. B. : óCandidate is requested to confirm that he has ticked against that subject for which he desire to appear.  
Please tick (✓) only the apporiate column against the subject.

**F.Y.B.Sc. (Computer Science)**

**NEW COURSE (2008 Pattern)**

Please refer **Equivalence Subject List** (attached herewith Exam Form) and Tick the proper subject

Course No.	Name of the Subject
11111 <input type="checkbox"/>	Introduction to Programming & 'C' Programming
11112 <input type="checkbox"/>	File Organization & Fundamental of Databases
11113 <input type="checkbox"/>	Computer Science Practical Paper-I
11114 <input type="checkbox"/>	Computer Science Practical Paper-II
11211 <input type="checkbox"/>	Discrete Mathematics
11212 <input type="checkbox"/>	Algebra & Calculus
11213 <input type="checkbox"/>	Mathematics Practicals
11311 <input type="checkbox"/>	Electronic Devices, Circuits & Computer Peripherals
11312 <input type="checkbox"/>	Fundamentals of Digital Electronics
11313 <input type="checkbox"/>	Electronics Practicals
11411 <input type="checkbox"/>	Statistical Methods-I
11412 <input type="checkbox"/>	Statistical Methods-II
11413 <input type="checkbox"/>	Statistics Practicals

Semester combination Appearing for S.Y. & T.Y. Tick the right Combination.

I	I & II	II	I & III	II & III	III	I & IV	II & IV	III&IV	IV	I&II & III	I & II & IV	I & III & IV	II & III & IV	I&II& III&IV
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

Please refer <b>Equivalence Subject List</b> (attached herewith Exam Form) and Tick the proper subject		S.Y. B.Sc. (Comp.Sci.) Sem. I (NEW)		S.Y. B.Sc. (Comp.Sci.) Sem. II (OLD)	
21111/cs-211	<input type="checkbox"/> Data Structure using C	22101/CS-221	<input type="checkbox"/> Objet oriented concepts & Programming in C++	22102/CS-222	<input type="checkbox"/> File Structure & Database Concepts II
21112/cs-212	<input type="checkbox"/> Relational Database Management Systems (RDBMS)	22103/CS-223	<input type="checkbox"/> Practicals (Computer Science)	22201/Mic-221	<input type="checkbox"/> Computational Geometry
21211/MTC-211	<input type="checkbox"/> Linear Algebra	22202/Mic-222	<input type="checkbox"/> Numerical Analysis	22203/Mic-223	<input type="checkbox"/> Operations Research (Paper III)
21212/MTC-212	<input type="checkbox"/> Microprocessor Architecture & Programming P-I	22301/Elc-221	<input type="checkbox"/> Microprocessors	22302/Elc-222	<input type="checkbox"/> Mathematics Practical
21311/ELC-211	<input type="checkbox"/> Communication Principles	22303/Elc-223	<input type="checkbox"/> Communication Principles	22501	<input type="checkbox"/> Practical (Electronics)
21312/ELC-212	<input type="checkbox"/> English	22777	<input type="checkbox"/> English		<input type="checkbox"/> A Course in Environmental Awarness
21511	<input type="checkbox"/> English				
T.Y. B.Sc. (Comp.Sci.) Sem. III (OLD)		T.Y. B.Sc. (Comp.Sci.) Sem. IV (OLD)			
31101/CS-331	<input type="checkbox"/> System Programming I	32101/CS-341	<input type="checkbox"/> System Programming - II		
31102/CS-332	<input type="checkbox"/> Theoretical computer Science & Compiler construction I	32102/CS-342	<input type="checkbox"/> Theoretical Computer Science & Compiler construction - II		
31103/CS-333	<input type="checkbox"/> Computer Networks & Network Administration I	32103/CS-343	<input type="checkbox"/> Computer Networks & Network Administration - II		
31104/CS-334	<input type="checkbox"/> Server Database & application Development I	32104/CS-344	<input type="checkbox"/> Server Databases & Application Development - II		
31105/CS-335	<input type="checkbox"/> Obj. Ori. concepts & Programming in Java I	32105/CS-345	<input type="checkbox"/> Advance Java Programming - II		
31106/CS-336	<input type="checkbox"/> Software Engineering II	32106/CS-346	<input type="checkbox"/> Software Engineering - II		
		32109/CS-347	<input type="checkbox"/> Computer Science Practical I		
		32110/CS-348	<input type="checkbox"/> Computer Science Practical II		
		32111/CS-349	<input type="checkbox"/> Computer Science Practical III		

Do not attach this list with Exam. Form

**Equivalence of Old and New Syllabus Theory Papers Computer Science**

Old Pattern Impleted from the academic year 2002-03		New Pattern Impleted from the academic year 2008-09	
Course No.	Name of the Course	Course No.	Name of the Course
<b>F.Y.B.Sc. Computer Science</b>			
11101	Introduction to Computer, Data Processing and Networking	11112	File Organization and Fundamental of Database
11102	Introduction to Programming and Programming in C	11111	Introduction to Programming and Programming in C
11103	Comp Sci. Practical	11113	Comp Sci. Practical Paper- I

**F.Y.B.Sc. Statistics (Comp. Sci.)**

Old Course		New Course	
11401	Paper I	11411	Paper I
11402	Paper II	11412	Paper II
11403	Paper III : Practicals	11413	Paper III : Practicals

**S.Y.B.Sc. Computer Science**

Old Pattern Impleted from the academic year 2003-04		New Pattern Impleted from the academic year 2009-10	
<b>Semester-I</b>		<b>Semester-I</b>	
21101 CS-211	Data Structures,Image Structures and Related Algorithems in C	21111 CS-211	Data Structure using C
21102 CS-212	File Structures and Database Concepts	21112 CS-212	Relational Database Management System (RDBMS)
<b>Semester-II</b>		<b>Semester-II</b>	
22101 CS-221	Object Oriented Concepts and Programming in C++	22111 CS-221	Object Oriented Concepts and Programming in C++
22102 CS-222	File Structures and Databases Concepts	22112 CS-222	Software Engineering
22103 CS-223	Comp. Science Pratical	22113 CS-223	Practical (Comp. Sci.) Lab Course-I

**S.Y.B.Sc. (Comp. Sci.) Electronics**

Semester-I Old Course		Semester-I New Course	
21301 ELC 211	Computer Organisation	21311 ELC 211	Microprocessor Architecture And Programming
21302 ELC 212	Process Control Instrumentation	21312 ELC 212	Communications Principles
<b>Semester-II Old Course</b>		<b>Semester-II New Course</b>	
22301 ELC 221	Microprocessors	22311 ELC 221	8051 Microcontroller and Embedded Systems
22302 ELC 222	Communication Principles	22312 ELC 222	Digital Signal Processing

**ELECTRONIC SCIENCE**  
**F.Y B.Sc. (Computer Science)**

	<b>OLD</b>		<b>NEW</b>
11301	Linear Electronics	11311	Electronic Devices, circuits & Computer Peripherals
11302	Digital Electronics	11312	Fundamentals of Digital Electronics
11303	Practicals (Electronics)	11313	Electronics (Practicals)

---

**MATHEMATICS**  
**F.Y B.Sc. (Computer Science)**

	<b>OLD</b>		<b>NEW</b>
11201	Discrete Mathematics	11211	Discrete Mathematics
11202	Algebra & Numerical Methods	11213	Mathematics Practical
11203	Geometry & Calculus	11212	Algebra & Calculus

---

**MATHEMATICS**  
**S.Y B.Sc. (Computer Science)**

	<b>Sem- I</b>		<b>Sem-I</b>
21201 MTC-211	Linear Algebra	21211 MTC-211	Linear Algebra
21202 MTC-212	Algebra	21212 MTC-212	Numerical Analysis
	<b>Sem-II</b>		<b>Sem-II</b>
22201 MTC-221	Computational Geometry	22211 MTC-221	Computational Geometry
22202 MTC-222	Operations Research	22212 MTC-222	Operations Research
22203 MTC-223	Mathematics Practical	22213 MTC-223	Practical Mathematics

---