Equivalent Subject for Old Syllabus B.Sc. (ECS) - I (Semester –I and II)

Semester-I		
Sr. No.	**Name of the Old Paper (w.e.f.2019-20)**	**Name of the New Paper (w.e.f.2022-2023)**
1	English Paper I Part-A (communication skill)	English Paper I Part-A (communication skill)
2	Fundamentals of Programming using C and C++ – I	Programming using C
3	Fundamentals of Programming using C and C++ – II	Programming using C++
4	Computer System Architecture – I	Linear Electronics
5	Computer System Architecture – II	Digital Electronics
6	Fundamental of Computer system – I	Fundamental of Computer
7	Fundamental of Computer system – II	Operating System – I
8	Numerical Methods – I	Numerical Method-I
9	Numerical Methods – II	Numerical Method-II(Sem-II)
Semester-II		
Sr. No.	**Name of the Old Paper (w.e.f.2019-20)**	**Name of the New Paper (w.e.f.2022-2023)**
1	English Paper I Part-B (communication skill)	English Paper I Part-B (communication skill)
2	Programming in JAVA – I	Python-I
3	Programming in JAVA – II	Python-II
4	Discrete Structures – I	Graph Theory (Sem-I)
5	Discrete Structures – II	Discrete Mathematics
6	Introduction to Web Designing – I	Introduction to Web Designing
7	Introduction to Web Designing – II	No Equivalence
8	Digital Electronics – I	Introduction to Microcontroller
9	Digital Electronics – II	Embedded System

Equivalent Subject for Old Syllabus B.Sc. (Entire Computer Science) - II (Semester –III and IV)

Semester-III		
Sr. No.	Name of the Old Paper (w.e.f.2017-18)	Name of the New Paper (w.e.f.2020-2021)
1	Object Oriented Programming Using C++	No Equivalence
2	Software Engineering	Software Engineering (Sem-III)
3	Operating System	Operating System (Sem-IV)
4	Data Structure	Data Structure using C++ -I (Sem-III)
5	Embedded System-I	No Equivalence
6	Advanced Microprocessor	No Equivalence
Semester-IV		
Sr. No.	Name of the Old Paper (w.e.f.2017-18)	Name of the New Paper (w.e.f.2020-2021)
1	Object Oriented Programming Using Java	No Equivalence
2	DBMS Using Oracle	Database Management System (Sem-IV)
3	Linux Operating System	Linux OS and Shell Scripting (Sem-IV)
4	Computer Graphics	No Equivalence
5	Embedded System-II	No Equivalence
6	Peripherals and Interfacing	No Equivalence

Equivalent Subject for Old Syllabus B.Sc. (Entire Computer Science) - III (Semester –V and VI)

Semester-V		
Sr. No.	**Name of the Old Paper (w.e.f.2018-19)**	**Name of the New Paper (w.e.f.2021-2022)**
1	English	English (Business English) Paper-II Part-A (Sem-V)
2	Data Communication and Networking - I	Data Communication and Networking (Sem-V)
3	Theory of Computer Science	Theory of Computer Science (Sem-V)
4	Visual Programming - I	**No Equivalence**
5	Web technology and E-commerce –I	**No Equivalence**
6	Python – I	**No Equivalence**
Semester-VI		
Sr. No.	**Name of the Old Paper (w.e.f.2018-19)**	**Name of the New Paper (w.e.f.2021-2022)**
1	English	English (Business English) Paper-II Part-B (Sem-VI)
2	Data Communication and Networking – II	System Security (Sem-VI)
3	Advanced Java	Advanced Java (Sem-V)
4	Visual Programming -II	Visual Programming (Sem-V)
5	Web technology and E-commerce –II	Internet Programming using ASP.Net (Sem-VI)
6	Python - II	Advanced Python Programming (Sem-V)

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Equivalent Subject for Old Syllabus BCA - I (Semester –I and II)

Semester-I		
Sr. No.	**Name of the Old Paper (w.e.f.2019-20)**	**Name of the New Paper (w.e.f.2022-2023)**
1	English Paper I Part-A (communication skill)	English Paper I Part-A (communication skill)
2	Fundamentals of Computer	Fundamentals of Computer
3	Logic Development With 'C' Programming	Programming and Problem Solving using 'C' – I
4	Basics of Web Programming – I	Web Programming-I
5	Software Engineering- I	No Equivalence
6	Basics of Mathematics – I	Basics of Mathematics
7	Statistical Methods-I	Descriptive Statistics
8	Digital Electronics	Fundamentals of Electronics
9	Development of Human Skills	No Equivalence
Semester-II		
Sr. No.	**Name of the Old Paper (w.e.f.2019-20)**	**Name of the New Paper (w.e.f.2022-2023)**
1	English Paper I Part-B (communication skill)	English Paper I Part-B (communication skill)
2	Advanced Programming in C	Programming and Problem Solving using 'C' – II
3	Introduction to Operating System	Operating System
4	Basics of Web Programming – II	Web Programming-II
5	Office Automation	Office Automation
6	Basics of Mathematics – II	Graph Theory
7	StatisticalMethods-II	Probability Thoery
8	Introduction to Microprocessor	Introduction of Microprocessor and Interfacing
9	Software Engineering- II	No Equivalence

Equivalent Subject for Old Syllabus B.C.A. (Computer Science) - III (Semester –V and VI)

Semester-V		
Sr. No.	**Name of the Old Paper** (w.e.f.2018-19)	**Name of the New Paper** (w.e.f.2021-2022)
1	Core Java	Core Java (Sem-V)
2	Visual Programming	Visual Programming (Sem-V)
3	Linux and Shell Programming	Linux and Shell Programming (Sem-V)
4	Computer Graphics	Computer Graphics (Sem-V)
5	Data Warehouse and Data Mining	Data Warehouse and Data Mining (Sem-VI)
6	Theory of Computation	**No Equivalence**
Semester-VI		
Sr. No.	**Name of the Old Paper** (w.e.f.2018-19)	**Name of the New Paper** (w.e.f.2021-2022)
1	Advanced Java	Advanced Java (Sem-VI)
2	Dot Net Technology	Dot Net Technology (Sem-VI)
3	Recent Trends in IT	Recent Trends in IT (Sem-V)
4	Cryptography and Network Security	Cryptography and Network Security (Sem-VI)
5	System Programming	**No Equivalence**

Equivalent Subject for Old Syllabus B.C.A. (Computer Science) - II (Semester –III and IV)

Semester-III		
Sr. No.	**Name of the Old Paper (w.e.f.2017-18)**	**Name of the New Paper (w.e.f.2020-2021)**
1	Data structures using 'C'	Data structures using 'C'-I (Sem-III)
2	Networking & Data communication	Computer Networks-I (Sem-III)
3	DBMS with Oracle	Database Management System (Sem-III)
4	OOP with C++	OOPS with C++-I (Sem-III)
5	Operations Research	**No Equivalence**
Semester-IV		
Sr. No.	**Name of the Old Paper (w.e.f.2017-18)**	**Name of the New Paper (w.e.f.2020-2021)**
1	Software Testing	Software Testing & Quality Assurance (Sem-IV)
2	Python	Python Programming (Sem-IV)
3	Operating System	**No Equivalence**
4	Advanced Web technology	Web Development using PHP (Sem-III)
5	E- Governance	**No Equivalence**