

Kazi Nazrul University

Curriculum for

B. Sc Honours (Computer Science) Program

(6 Semesters Programme)
(With effect from 2016-2017 academic session)



Course Title	Course type	(L-T-P)	Credit	Marks
Computer Fundamentals	Core-I	5 - 1 - 0	6	50
Programming in C	Core-II	4-0-0	4	50
Programming in C Laboratory	Core-II Practical	0- 0 - 4	2	50
Generic Elective (Discrete Mathematics)	GE-I	5 - 1 - 0	6	50
Environmental Studies	AECC-I	4 - 0 - 0	4	50
	SEMESTER	TOTAL:	22	250
Course Title	Course type	(L-T-P)	Credit	Marks
Operating System	Core-III	5- 1- 0	6	50
Data Structure	Core-IV	4-0-0	4	50
Data Structure Laboratory	Core-IV Practical	0 – 0- 4	2	50
Generic Elective (Basic Mathematics)	GE-II	5 - 1 - 0	6	50
English	AECC-II	2 - 0 - 0	2	50
	SEMESTER	TOTAL:	20	250
Course Title	Course type	(L-T-P)	Credit	Marks
Computer Architecture & Organization	Core-V	5 - 1 - 0	6	50

Formal Language	Core-VI	5-1-0	6	50
Digital Logic	Core-VII	4 - 0- 0	4	50
Digital Logic Laboratory	Core-VII Practical	0- 0 - 4	2	50
Generic Elective (Any One) i. Numerical Methods ii. Probability & Statistics	GE-III	5 - I - 0	6	50
Skill Enhancement(Any One) i. Fundamentals of Information & Communication Technology ii. System Analysis and Design.	SEC-I	2 - 0 - 0	2	50
	SEMESTER	TOTAL:	26	300
Course Title	Course type	(L-T-P)	Credit	Marks
Software Engineering	Core-VIII	5-1-0	6	50
Computer Networks	Core-IX	5-1-0	6	50
Database Management System	Core-X	4 – 0- 0	4	50
DBMS Laboratory	Core-X Practical	0 - 0- 4	2	50
Generic Elective(Any One) i. Basic Electronics ii. E-Commerce iii. Management Information System	GE-IV	5 - I - 0	6	50
Skill Enhancement(Any One) 1. Unix & Shell Programming 2. Web Technology	SEC-II	2 - 0 - 0	2	50
	SEMESTER	TOTAL:	26	300
Course Title	Course type	(L-T-P)	Credit	Marks
Computer Graphics	Core-XI	5 - I - 0	6	50
Object Oriented Programming with C++	Core-XII	4 - 0 - 0	4	50
C++ Laboratory	Core-XII Practical	0 -0 -4	2	50
Core Elective(Any One) i. Analysis of Algorithms ii. Advance Database Management System	DSE-I	5 - I - 0	6	50

Core Elective(Any One) 1. Compiler Design 2. Artificial Intelligence	DSE-II	5 - 1 - 0	6	50
	SEMESTER	TOTAL:	24	250
Course Title	Course type	(L-T-P)	Credit	Marks
Animation & Multimedia	Core-XIII	5-1-0	6	50
Microprocessor	Core-XIV	4 - 0 - 0	4	50
Microprocessor Laboratory	Core-XIV Practical	0 - 0 - 4	2	50
Core Elective(Any One) 1. Optimization Techniques 2. Core Java 3. Advance Computer Architecture	DSE-III	5 - 1 - 0	6	50
Core Elective(Any One) 1. Cryptography & Network Security 2. Internet Technology 3. Soft Computing	DSE-IV	5 - 1 - 0	6	50
	SEMESTER	TOTAL:	24	250
	GRAND	TOTAL:	142	1600