DEPARTMENT OF COMPUTER SCIENCE

Gurukula Kangri Vishwavidyalaya, Haridwar **SCHEME OF EXAMINATION**

COURSE	PAPER CODE	PAPER NAME		PER WEEK		EVALUTION SCHEME		
TYPE	PAPER CODE	FAFER NAME	L	Р	С	CIA	ESE	TOTAL
SEMESTER - I								
DSC-1C	BCS-C101	Object Oriented Programming in C++	4	-	4	30	70	100
	BCS-C151	C++ Programming Lab	-	4	2	30	70	100
SEMESTER - II								
DSC-2C	BCS-C201	Data Structures and File Processing	4	-	4	30	70	100
	BCS-C251	Data Structures and File Processing Lab	-	4	2	30	70	100
SEMESTER - III								
DSC-3C	BCS-C301	Numerical Computing	4	-	4	30	70	100
	BCS-C351	Numerical Computing Lab	-	4	2	30	70	100
SEC-1		Choose any One	2	-	2	30	70	100
		1. Logic and Sets*						
		2. Analytical Geometry*						
		3. Number Theory*						
<u>SEMESTER - IV</u>								
DSC-4C	BCS-C401	Design and Analysis of Algorithms	4	-	4	30	70	100
	BCS-C451	Design and Analysis of Algorithms Lab	-	4	2	30	70	100
SEC-2*		Choose any One	2	-	2	30	70	100
		1. Vector Calculus*						
		2. Transportation and Game Theory*						
		3. Probability and Statistics*						
DCE 1C	- A	SEMESTER - V	1				I	I
DSE-1C		One theory paper and its corresponding lab						
	BCS-E501A	1 0 1	4	-	4	30	70	100
	BCS-E551A	1 0 1	-	4	2	30	70	100
	BCS-E501B	Data Mining	4	-	4	30	70	100
	BCS-E551B	0	-	4	2	30	70	100
	BCS-E501C		4	-	4	30	70	100
	BCS-E551C	Cryptography Lab	-	4	2	30	70	100
SEC-3	Choose any O	One theory paper and its corresponding lab						
	BCS-S502A	Computer Graphics	1	-	1	30	70	100
	BCS-S552A	1 1	-	2	1	30	70	100
	BCS-S502B	Electronic Commerce	2	-	2	30	70	100
		Combinatorial Optimization*						
		SEMESTER - VI	'					
DSE-2C	Choose any O	ne theory paper and its corresponding lab						
	BCS-E601A	Information Security	4	_	4	30	70	100
		Information Security Lab	-	4	2	30	70	100
		Database Applications	4	-	4	30	70	100
		Database Applications Lab	-	4	2	30	70	100
		Computer Networks	4	-	4	30	70	100
		Computer Networks Lab	-	4	2	30	70	100
SEC-4	Choose any (
	·	Modeling and Simulation	2	_	2	30	70	100
		Graph Theory*		_		30	7.0	100
		Boolean Algebra*	+		H			
		poolean nigebi a	1	İ				I

DSC - Discipline Specific Core DSE - Discipline Specific Elective SEC - Skill Enhancement Course

L- Lecture P - Practical C- Credit CIA - Continuous Internal Assessment ESE - End Semester Examination

^{*}The syllabi of these papers are approved by the Board Of Studies of Department of Mathematics held on 30.07.2015 and to be taught by the faculty of the Department of Mathematics.