

Name: **DR. BHARAT BHUSHAN**
 Subject: Paper – II : Programming in C
 (Monday, Tuesday, Wednesday)

Name: **MR. KIRANPAL SINGH VIRK**
 Subject: Paper – I : Information Technology
 (Thursday, Friday, Saturday)

Class and Section: **B.Sc. Computer Science (2nd Semester) Theory**

Week	Date	Topic
1	1-Jan-19	Planning the Computer Program: Concept of problem solving,
	2-Jan-19	Problem definition, Program design, Debugging, Types of errors in programming,
	3-Jan-19	Information Technology Basics, Role of IT.
	4-Jan-19	PC evolution
	5-Jan-19	PC classifications,
	6-Jan-19	Sunday
	2	7-Jan-19
8-Jan-19		algorithms, pseudo code,
9-Jan-19		decision table
10-Jan-19		Introduction to Microprocessors. Inside the PC system unit: PC system unit layout;
11-Jan-19		Motherboard, Memory, Expansion slots and Adapter cards, ,
12-Jan-19		SMPS, Display unit, Keyboard
13-Jan-19		Sunday
3	14-Jan-19	Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming.
	15-Jan-19	Searching , Linear & Binary Searching,
	16-Jan-19	Searching, Linear & Binary Searching,
	17-Jan-19	Rear side connectors, System Buses, Local Buses
	18-Jan-19	Communication with peripherals: Serial ports, Parallel port,
	19-Jan-19	Game Port, USB Port, Fire-Wire Port, HDMI Port,
	20-Jan-19	Sunday
4	21-Jan-19	Sorting, and Merging: Bubble, Selection, and Insertion Sorting, Merging.
	22-Jan-19	Sorting, and Merging: Bubble, Selection, and Insertion Sorting, Merging.
	23-Jan-19	Structure of a C Program, C character set, identifiers and keywords,
	24-Jan-19	Upgrading PC for Multimedia.
	25-Jan-19	Sir Chhoti Ram Jayanti
	26-Jan-19	Republic Day
	27-Jan-19	Sunday

5	28-Jan-19	Data types, Constants and Variables
	29-Jan-19	Data types, Constants and Variables , Assignment statement, Symbolic constant.
	30-Jan-19	Input/output: Unformatted & formatted I/O function.
	31-Jan-19	Information Tools for management control: Decision Support System,

Week	Date	Topic
1	1-Feb-19	Executive Information System, Geographical Information System
	2-Feb-19	On-Line Analytical processing, Data Warehousing, Data Mining,
	3-Feb-19	Sunday
2	4-Feb-19	Operators & Expression: Arithmetic, relational,
	5-Feb-19	logical, bitwise,
	6-Feb-19	unary, assignment, conditional operators and special operators.
	7-Feb-19	On-Line Analytical processing, Data Warehousing, Data Mining,
	8-Feb-19	Web advertising, Presentations, Electronic Catalogues
	9-Feb-19	Computer Security: Introduction, Malicious Programs, Digital Signature,
	10-Feb-19	Vasant Panchami / Sunday
3	11-Feb-19	Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity.
	12-Feb-19	Arithmetic expressions, evaluation of arithmetic expression, type casting and conversion, operator hierarchy & associativity.
	13-Feb-19	Assignment 1 (Unit 1 & Unit 2) Last Date for Submission: 25-Feb-2019 Class Test : UNIT 1 & II
	14-Feb-19	Firewall, User Identification and Authentication
	15-Feb-19	Assignment 1 (Unit 1 & Unit 2) Last Date for Submission: 28-Feb-2019
	16-Feb-19	Class Test : UNIT 1 & II
	17-Feb-19	Sunday
4	18-Feb-19	Control statement in C: Branching - Decision making with IF statement,
	19-Feb-19	Guru Ravi Dass Birthday
	20-Feb-19	IF-ELSE statement, Nested IF statement, ELSE-IF ladder
	21-Feb-19	Emerging Trends in IT: E-Commerce,
	22-Feb-19	Electronic Data Interchange(EDI), Mobile Communication,

	23-Feb-19	Bluetooth, Global Positioning System(GPS), Smart Cards
	24-Feb-19	Sunday
5	25-Feb-19	IF-ELSE statement, Nested IF statement, ELSE-IF ladder.
	26-Feb-19	switch statement, go to statement
	27-Feb-19	. Looping: For, while, and do-while loop,
	28-Feb-19	Multimedia: Definition and building blocks

Week	Date	Topic
1	1-Mar-19	Maha Shivratri
	2-Mar-19	Hardware, Software and Applications,
	3-Mar-19	Sunday
2	4-Mar-19	Looping: For, while, and do-while loop,
	5-Mar-19	Looping: For, while, and do-while loop, jumps in loops, break, continue statement
	6-Mar-19	jumps in loops, break, continue statement
	7-Mar-19	Multimedia presentation devices,
	8-Mar-19	Multimedia presentation devices, Virtual Reality
	9-Mar-19	Digital Sound data: MIDI, Data Compression.
	10-Mar-19	Sunday
3	11-Mar-19	Looping: For, while, and do-while loop, jumps in loops, break, continue statement.
	12-Mar-19	Assignment 2 (Unit 3) Last Date for Submission: 25-Mar-2019
	13-Mar-19	Class Test : UNIT 3
	14-Mar-19	Digital Sound data: MIDI, Data Compression.
	15-Mar-19	Digital Sound data: MIDI, Data Compression.
	16-Mar-19	Assignment 2 (Unit 3) Last Date for Submission: 28-Mar-2019
	17-Mar-19	Sunday
4	18-Mar-19	University Holidays
	19-Mar-19	University Holidays
	20-Mar-19	University Holidays
	21-Mar-19	University Holidays
	22-Mar-19	University Holidays
	23-Mar-19	University Holidays

	24-Mar-19	Sunday
5	25-Mar-19	Functions: Definition, prototype,
	26-Mar-19	passing parameters,
	27-Mar-19	recursion
	28-Mar-19	Class Test : UNIT 3
	29-Mar-19	Data communications and Computer Networks: Basic Components,
	30-Mar-19	Data communications and Computer Networks: Basic Components,
	31-Mar-19	Sunday

Week	Date	Topic
1	1-Apr-19	Storage classes in C: auto, extern, register and static
	2-Apr-19	Storage classes in C: auto, extern, register and static
	3-Apr-19	storage class, their scope, storage, & lifetime.
	4-Apr-19	Transmission media,
	5-Apr-19	Switching, Multiplexing, Modulation
	6-Apr-19	Switching, Multiplexing, Modulation
	7-Apr-19	Sunday
2	8-Apr-19	storage class, their scope, storage, & lifetime.
	9-Apr-19	Arrays: Definition, types
	10-Apr-19	Arrays: Definition, types,
	11-Apr-19	Network Technologies, network types
	12-Apr-19	Communication Protocols, Wireless networks,
	13-Apr-19	Communication Protocols, Wireless networks,
	14-Apr-19	Vaisakhi / Ambedkar Jyanti / Sunday
3	15-Apr-19	Array initialization
	16-Apr-19	Array initialization
	17-Apr-19	Mahavir Jayanti
	18-Apr-19	The Internet: History, Basic services, WWW,
	19-Apr-19	browsers, Service providers, Internet naming and addressing
	20-Apr-19	Electronic mail, Remote login, File Transfer, Search Engine, Getting connected to the Internet.
	21-Apr-19	Sunday
4	22-Apr-19	processing an array
	23-Apr-19	processing an array

	24-Apr-19	processing an array
	25-Apr-19	Electronic mail, Remote login, File Transfer, Search Engine, Getting connected to the Internet.
	26-Apr-19	Class Test : UNIT 4 & Revision
	27-Apr-19	Revision
	28-Apr-19	Sunday
5	29-Apr-19	Class Test : UNIT 4 & Revision
	30-Apr-19	Revision