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Lesson Plan

Name of the Assistant/ Associate Professor: Bharat Bhushan, Dept. of Computer Sc. & Applications

Week	Date	B.sc (C.S) VI th Sem	B.sc (C.S) VI th Sem,	B.sc(C.S) II nd Sem Section: A
		Relational Data Base Management System (TOPICS)	Computer Networks (TOPICS)	Logical Organization of Computers (TOPICS)
1	1-Jan-18	Relational Model Concepts,		
	2-Jan-18	Codd's Rules for Relational Model		
	3-Jan-18	Hierarchical Data Model- Introduction, Features, Components, Example		
	4-Jan-18		Introduction to Data Communication and Computer Networks	Information Representation: 1
	5-Jan-18		Uses of Computer Networks; Types of Computer Networks	Number Systems
	6-Jan-18		Network Topologies	Binary Arithmetic
	7-Jan-18	Sunday	Sunday	Sunday
2	8-Jan-18	Network Data Model- Introduction, Features, Components, Example .Differences between Hierarchical Data Model and Network Data Model		
	9-Jan-18	Comparison of Relational Data Model with Hierarchical Data Model . Comparison of Relational Data Model with Network Data Model		
	10-Jan-18	SQL: Data Definition and data types, Create Table, Insert Data		
	11-Jan-18		Network Topologies Continued	Binary Arithmetic ,Fixed-point representation of numbers
	12-Jan-18		Network Hardware	BCD Codes, Error detecting

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			Components: Connectors, Transceivers, Repeaters, Hubs	
	13-Jan-18		Network Interface Cards and PC Cards, Bridges	Error detecting and correcting
	14-Jan-18	Sunday	Sunday	Sunday
3	15-Jan-18	Viewing Data, Filtering Table Data, Sorting data		
	16-Jan-18	Creating Table from a Table, Destroy table, Update		
	17-Jan-18	View		
	18-Jan-18		Switches, Routers, Gateways	Character Representation A
	19-Jan-18		Network Software: Network Design issues	Basic Gates: AND, OR, NOT
	20-Jan-18		Network Protocols	Universal Gates: NAND, NOR ASSIGNMENT-1
	21-Jan-18	Sunday	Sunday	Sunday
4	22-Jan-18	Vasant Panchami	Vasant Panchami	Vasant Panchami
	23-Jan-18	Delete table, & view, Join		
	24-Jan-18	Sir Chhotu Ram Jayanti	Sir Chhotu Ram Jayanti	Sir Chhotu Ram Jayanti
	25-Jan-18		Connection-Oriented	Other Gates: XOR, XNOR
	26-Jan-18	Republic Day	Republic Day	Republic Day
	27-Jan-18		Connectionless Services	Boolean Algebra and Boolean
	28-Jan-18	Sunday	Sunday	Sunday
5	29-Jan-18	Concatenating data from Table Specifying Constraints in SQL; Primary Key		
	30-Jan-18	Assignment-1/Test 1		
	31-Jan-18	Foreign Key, Unique Key, Check Constraint		

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Week	Date	B.sc (C.S) VI th Sem	B.sc (C.S) VI th Sem	B.sc(C.S) II nd Sem Section: B
		Relational Data Base Management System (TOPICS)	Computer Networks (TOPICS)	Logical Organization of Computers (Topics)
1	1-Feb-18		OSI Reference Model	Boolean Theorems and functions
	2-Feb-18		OSI Model Continued	Boolean functions and Truth Tables
	3-Feb-18		TCP/IP Model	Canonical and standard forms of Boolean functions
	4-Feb-18	Sunday	Sunday	Sunday
2	5-Feb-18	Functions in SQL		
	6-Feb-18	Introduction to Relational Algebra		
	7-Feb-18	Introduction to Relational Algebra		
	8-Feb-18		Analog and Digital Communications Concepts: Analog and Digital data and signals	Simplification of Boolean Functions Venn Diagram
	9-Feb-18		Bandwidth and Data Rate, Capacity, Baud Rate	Simplification of Boolean Functions Venn Diagram
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti	Maharshi Dayanand Saraswati Jayanti	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday	Sunday	Sunday
3	12-Feb-18	Relational Algebra:- Selection and Projection, Set Operation		
	13-Feb-18	Maha Shivratri	Maha Shivratri	Maha Shivratri
	14-Feb-18	Join Operation, Division Operation, Introduction to Relational Calculus		
	15-Feb-18		Guided Media, Assignment- 1	Karnaugh Maps

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	16-Feb-18		Guided Media Continued	Karnaugh Maps
	17-Feb-18		Wireless Media	Test
	18-Feb-18	Sunday	Sunday	Sunday
4	19-Feb-18	Relational Calculus; Tuple Relational Calculus, Domain Relational Calculus		
	20-Feb-18	Functional Dependencies		
	21-Feb-18	Normalization -- Purpose, Data Redundancy		
	22-Feb-18		Test-1	Combinational circuits: Half Adder, Full Adder
	23-Feb-18		Communication Satellites; Switching	Half subtractor, Full subtractor
	24-Feb-18		Multiplexing and modems, Modulation techniques	Encoders
	25-Feb-18	Sunday	Sunday	Sunday
5	26-Feb-18	Update Anomalies, Partial/Fully Functional Dependencies		
	27-Feb-18	Transitive Functional Dependencies, Characteristics of Functional Dependencies		
	28-Feb-18	Holi Vacation	Holi Vacation	Holi Vacation

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Name of the Assistant/ Associate Professor: Bharat Bhushan, Dept. of Computer Sc. & Applications

Week	Date	B.sc (C.S) VI th Sem Sec-'B & C'	B.sc (C.S) VI th Sem Sec-'A'	B.sc(C.S) II nd Sem Section: B
		Relational Data Base Management System (TOPICS)	Computer Networks (TOPICS)	Logical Organization of Computers (Topics)
1	1-Mar-18	Guru Ravidas Birthday	Guru Ravidas Birthday	Guru Ravidas Birthday
	2-Mar-18	Holi	Holi	Holi
	3-Mar-18	Holi Vacation	Holi Vacation	Holi Vacation
	4-Mar-18	Sunday	Sunday	Sunday
2	5-Mar-18	Decomposition and Normal Forms (1NF), Assignment-2		
	6-Mar-18	2NF		
	7-Mar-18	3NF		
	8-Mar-18		Data Link Layer Design issues ,Error Detection & Correction Methods, Assignment-2	Decoders
	9-Mar-18		Sliding Window Protocols: One-bit	Multiplexers ,Demultiplexers
	10-Mar-18		Go Back N and Selective Repeat	Comparators, Code converters
	11-Mar-18	Sunday	Sunday	Sunday
	3	12-Mar-18	BCNF	
13-Mar-18		Test-2		
14-Mar-18		PL/SQL-Introduction, Advantages of PL/SQL		
15-Mar-18			Media Access Control: ALOHA, Slotted ALOHA	Sequential circuits Assignment-2
16-Mar-18			Test-1	Flip flops, Clocked RS FF
17-Mar-18			CSMA, Collision free protocols	D type FF
18-Mar-18		Sunday	Sunday	Sunday
4	19-Mar-18	The Generic PL/SQL Block: PL/SQL		

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		Execution Environment		
	20-Mar-18	PL/SQL Character Set		
	21-Mar-18	Data Types		
	22-Mar-18		Introduction to LAN technologies: Ethernet, Switched Ethernet	JK Flip Flop
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18		Fast Ethernet, Gigabit Ethernet, Token Ring	JK Flip Flop
	25-Mar-18	Sunday/ Ram Navami	Sunday/ Ram Navami	Sunday/ Ram Navami
5	26-Mar-18	Declaration and Assignment of Variables		
	27-Mar-18	Control Structure in PL/SQL		
	28-Mar-18	Conditional Control		
	29-Mar-18	Mahavir Jayanti	Mahavir Jayanti	Mahavir Jayanti
	30-Mar-18		Introduction to Wireless LANs and Bluetooth; Routing Algorithms: Flooding	T type FF, Master Slave FF
	31-Mar-18		Shortest Path Routing, Distance Vector Routing; Link State Routing	State table

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Name of the Assistant/ Associate Professor: *Chand' Bhushan, Dept. of Comp Sc & ITP*

Week	Date	B.sc (C.S) VI th Sem Sec-'B & C'	B.sc (C.S) VI th Sem Sec-'A'	B.sc(C.S) II nd Sem Section: B
		Relational Data Base Management System (TOPICS)	Computer Networks (TOPICS)	Logical Organization of Computers (Topics)
1	1-Apr-18	Sunday	Sunday	Sunday
	2-Apr-18	Iterative Control		
	3-Apr-18	Sequential Control		
	4-Apr-18	Discussion of last year papers		
	5-Apr-18		Congestion Control; Traffic shaping; Choke packets; Load shedding	State diagram
	6-Apr-18		Application Layer: Introduction to DNS, E-Mail and WWW services, Network Security Issues: Security attacks	Flip-flop excitation tables
	7-Apr-18		Encryption methods, Firewalls; Digital Signatures	Shift registers : serial in parallel out and parallel in parallel out..
	8-Apr-18	Sunday	Sunday	Sunday
2	9-Apr-18	Revision		
	10-Apr-18	Revision		
	11-Apr-18	Revision		
	12-Apr-18		Revision	Designing counters Asynchronous, Synchronous Binary Counters
	13-Apr-18		Revision	Modulo-N Counters and Up-Down Counters
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi	Dr Ambedkar Jayanti / Vaisakhi	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday	Sunday	Sunday
3	16-Apr-18	Test - 3		
	17-Apr-18	Revision		
	18-Apr-18	Parashurama Jayanti	Parashurama Jayanti	Parashurama Jayanti

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	19-Apr-18		Revision	Revision
	20-Apr-18		Revision	Revision
	21-Apr-18		Revision	Revision
	22-Apr-18	Sunday	Sunday	Sunday
4	23-Apr-18	Revision		
	24-Apr-18	Revision		
	25-Apr-18	Revision		
	26-Apr-18		Revision	Revision
	27-Apr-18		Revision	Revision
	28-Apr-18		Revision	Revision