

Name: **UpinderKaur**  
 Class and Section: **B.Sc(VI) Semester Computer Science**  
 Subject: **Relational Database Management System**

Week	Date	Topic
<b>1</b>	1-Jan-19	Relational Model Concepts
	2-Jan-19	Codd's Rules for Relational Model
	6-Jan-19	<b>Sunday</b>
	7-Jan-19	Hierarchical Data Model– Introduction, Features, Components, Example
<b>2</b>	8-Jan-19	Network Data Model– Introduction, Features, Components, Example
	9-Jan-19	Differences between Hierarchical Data Model and Network Data Model Comparison of Relational Data Model with Hierarchical Data Model and Network Data Model
	13-Jan-19	<b>Sunday</b>
	14-Jan-19	Relational Algebra:-Selection and Projection
<b>3</b>	15-Jan-19	Set Operation, Join and Division
	16-Jan-19	Relational Calculus: Tuple Relational Calculus and Domain Relational Calculus
	20-Jan-19	<b>Sunday</b>
	21-Jan-19	Relational Calculus: Tuple Relational Calculus and Domain Relational Calculus
<b>4</b>	22-Jan-19	Functional Dependencies and Normalization -- Purpose, Data Redundancy
	23-Jan-19	Update Anomalies
	25-Jan-19	<b>Sir Chhoti Ram Jayanti</b>
	26-Jan-19	<b>Republic Day</b>
	27-Jan-19	<b>Sunday</b>
	28-Jan-19	Partial/Fully Functional Dependencies
<b>5</b>	29-Jan-19	Transitive Functional Dependencies, Characteristics of Functional Dependencies
	30-Jan-19	Transitive Functional Dependencies, Characteristics of Functional Dependencies

Week	Date	Topic
	3-Feb-19	<b>Sunday</b>
<b>2</b>	4-Feb-19	Decomposition and Normal Forms (1NF)
	5-Feb-19	2NF
	6-Feb-19	3NF
	10-Feb-19	<b>VasantPanchami / Sunday</b>
	11-Feb-19	BCNF

	12-Feb-19	SQL: Data Definition and data types
	13-Feb-19	Create Table, Insert Data, Viewing Data
	17-Feb-19	<b>Sunday</b>
<b>4</b>	18-Feb-19	Create Table, Insert Data, Viewing Data
	19-Feb-19	<b>Guru Ravi Dass Birthday</b>
	20-Feb-19	Filtering Table Data, Sorting data
	24-Feb-19	<b>Sunday</b>
<b>5</b>	25-Feb-19	Creating Table from a Table, Destroy table
	26-Feb-19	Update, View, Delete, Join
	27-Feb-19	Update, View, Delete, Join

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Mar-19	<b>MahaShivratri</b>
	3-Mar-19	<b>Sunday</b>
<b>2</b>	4-Mar-19	Concatenating data from Table Specifying Constraints in SQL
	5-Mar-19	Concatenating data from Table Specifying Constraints in SQL
	6-Mar-19	Primary Key, Foreign Key, Unique Key, Check Constraint
	10-Mar-19	<b>Sunday</b>
<b>3</b>	11-Mar-19	Primary Key, Foreign Key, Unique Key, Check Constraint
	12-Mar-19	Using Functions
	13-Mar-19	PL/SQL-Introduction, Advantages of PL/SQL
	17-Mar-19	<b>Sunday</b>
<b>4</b>	18-Mar-19	<b>University Holidays</b>
	19-Mar-19	<b>University Holidays</b>
	20-Mar-19	<b>University Holidays</b>
	21-Mar-19	<b>University Holidays</b>
	22-Mar-19	<b>University Holidays</b>
	23-Mar-19	<b>University Holidays</b>
	24-Mar-19	<b>Sunday</b>
<b>5</b>	25-Mar-19	The Generic PL/SQL Block: PL/SQL Execution Environment; PL/SQL Character Set and Data Types
	26-Mar-19	Declaration and Assignment of Variables

	27-Mar-19	Control Structure in PL/SQL: Conditional Control
	31-Mar-19	<b>Sunday</b>

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Apr-19	Iterative Control
	2-Apr-19	Sequential Control
	3-Apr-19	Group discussion
	7-Apr-19	<b>Sunday</b>
<b>2</b>	8-Apr-19	Power Point Presentation
	9-Apr-19	Power Point Presentation
	10-Apr-19	Power Point Presentation
	14-Apr-19	<b>Vaisakhi / AmbedkarJyanti / Sunday</b>
<b>3</b>	15-Apr-19	Previous question papers discussion
	16-Apr-19	Previous question papers discussion
	17-Apr-19	<b>MahavirJayanti</b>
	21-Apr-19	<b>Sunday</b>
<b>4</b>	22-Apr-19	Revision
	23-Apr-19	Revision
	24-Apr-19	Revision
	28-Apr-19	<b>Sunday</b>
<b>5</b>	29-Apr-19	Revision
	30-Apr-19	Revision

Name: **UpinderKaur**  
Class and Section: **B.Sc(VI) Semester Computer Science**  
Subject: **Computer Networks**

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	3-Jan-19	Introduction to Data Communication and Computer Networks
	4-Jan-19	Uses of Computer Networks
	5-Jan-19	Types of Computer Networks and their Topologies
	6-Jan-19	<b>Sunday</b>
	10-Jan-19	Types of Computer Networks and their Topologies
	11-Jan-19	Network Hardware Components: Connectors, Transceivers
	12-Jan-19	Repeaters, Hubs, Network Interface Cards and PC Cards

	13-Jan-19	<b>Sunday</b>
	17-Jan-19	Bridges, Switches, Routers, Gateways
	18-Jan-19	Network Software: Network Design issues and Protocols
	19-Jan-19	Network Software: Network Design issues and Protocols
	20-Jan-19	<b>Sunday</b>
	24-Jan-19	Connection-Oriented and Connectionless Services
	25-Jan-19	<b>Sir Chhoti Ram Jayanti</b>
	26-Jan-19	<b>Republic Day</b>
	27-Jan-19	<b>Sunday</b>
	31-Jan-19	OSI Reference Model

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Feb-19	TCP/IP Model
	2-Feb-19	Analog and Digital Communications Concepts: Analog and Digital data and signals; Bandwidth and Data Rate
	3-Feb-19	<b>Sunday</b>
	7-Feb-19	Capacity, Baud Rate; Guided and Wireless Transmission Media
	8-Feb-19	Communication Satellites; Switching and Multiplexing; Modems and modulation techniques
	9-Feb-19	Switching and Multiplexing; Modems and modulation techniques
	10-Feb-19	<b>VasantPanchami / Sunday</b>
	14-Feb-19	Data Link Layer Design issues
	15-Feb-19	Error Detection and Correction methods
	16-Feb-19	Sliding Window Protocols: One-bit
	17-Feb-19	<b>Sunday</b>
	19-Feb-19	<b>Guru Ravi Dass Birthday</b>
	21-Feb-19	Go Back N and Selective Repeat
	22-Feb-19	Media Access Control: ALOHA, Slotted ALOHA
	23-Feb-19	CSMA, Collision free protocols
	24-Feb-19	<b>Sunday</b>
	28-Feb-19	Introduction to LAN technologies: Ethernet, Switched Ethernet

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Mar-19	<b>MahaShivratri</b>
	2-Mar-19	Fast Ethernet, Gigabit Ethernet
	3-Mar-19	<b>Sunday</b>
	7-Mar-19	Token Ring; Introduction to Wireless LANs and Bluetooth;
	8-Mar-19	Token Ring; Introduction to Wireless LANs and Bluetooth;
	9-Mar-19	Routing Algorithms: Flooding, Shortest Path Routing
	10-Mar-19	<b>Sunday</b>
	14-Mar-19	Distance Vector Routing; Link State Routing
	15-Mar-19	Hierarchical Routing; Congestion Control
	16-Mar-19	Traffic shaping; Choke packets; Load shedding
	17-Mar-19	<b>Sunday</b>
<b>4</b>	18-Mar-19	<b>University Holidays</b>
	19-Mar-19	<b>University Holidays</b>
	20-Mar-19	<b>University Holidays</b>
	21-Mar-19	<b>University Holidays</b>
	22-Mar-19	<b>University Holidays</b>
	23-Mar-19	<b>University Holidays</b>
	24-Mar-19	<b>Sunday</b>
	28-Mar-19	Application Layer: Introduction to DNS, E-Mail and WWW services
	29-Mar-19	Application Layer: Introduction to DNS, E-Mail and WWW services
	30-Mar-19	Network Security Issues: Security attacks
	31-Mar-19	<b>Sunday</b>

<b>Week</b>	<b>Date</b>	<b>Topic</b>
	4-Apr-19	Encryption methods;
	5-Apr-19	Encryption methods
	6-Apr-19	Firewalls; Digital Signatures
	7-Apr-19	<b>Sunday</b>
	11-Apr-19	Power Point Presentation
	12-Apr-19	Power Point Presentation
	13-Apr-19	Group Discussion
	14-Apr-19	<b>Vaisakhi / AmbedkarJyanti / Sunday</b>

	17-Apr-19	<b>MahavirJayanti</b>
	18-Apr-19	Previous question papers discussion
	19-Apr-19	Previous question papers discussion
	20-Apr-19	Previous question papers discussion
	21-Apr-19	<b>Sunday</b>
	25-Apr-19	Revision
	26-Apr-19	Revision
	27-Apr-19	Revision
	28-Apr-19	<b>Sunday</b>

Name: **UpinderKaur**  
Class and Section: **B.A(I)**  
Subject: **CCE**

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Jan-19	Elements of electronic spreadsheet
	2-Jan-19	Elements of electronic spreadsheet
	6-Jan-19	<b>Sunday</b>
	7-Jan-19	Applications, creating and opening of spreadsheets
<b>2</b>	8-Jan-19	Applications, creating and opening of spreadsheets
	9-Jan-19	Menus
	13-Jan-19	<b>Sunday</b>
	14-Jan-19	Menus
<b>3</b>	15-Jan-19	Menus
	16-Jan-19	Menus
	20-Jan-19	<b>Sunday</b>
	21-Jan-19	Manipulation of cells
<b>4</b>	22-Jan-19	Enter text ,numbers and dates
	23-Jan-19	Enter text ,numbers and dates
	25-Jan-19	<b>Sir Chhoti Ram Jayanti</b>
	26-Jan-19	<b>Republic Day</b>
	27-Jan-19	<b>Sunday</b>
	28-Jan-19	Cell height and width
<b>5</b>	29-Jan-19	Cell height and width
	30-Jan-19	Copying of cells

<b>Week</b>	<b>Date</b>	<b>Topic</b>
	3-Feb-19	<b>Sunday</b>
<b>2</b>	4-Feb-19	Mathematical functions
	5-Feb-19	Mathematical functions
	6-Feb-19	Statistical functions
	10-Feb-19	<b>VasantPanchami / Sunday</b>
	11-Feb-19	Statistical functions
<b>3</b>	12-Feb-19	Financial functions
	13-Feb-19	Financial functions
	17-Feb-19	<b>Sunday</b>
	18-Feb-19	Drawing different types of charts
<b>4</b>	19-Feb-19	<b>Guru Ravi Dass Birthday</b>
	20-Feb-19	Drawing different types of charts
	24-Feb-19	<b>Sunday</b>
	25-Feb-19	Drawing different types of charts
<b>5</b>	26-Feb-19	Drawing different types of charts
	27-Feb-19	Creating, modifying and enhancing a presentation

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Mar-19	<b>MahaShivratri</b>
	3-Mar-19	<b>Sunday</b>
<b>2</b>	4-Mar-19	Creating, modifying and enhancing a presentation
	5-Mar-19	Creating, modifying and enhancing a presentation
	6-Mar-19	Creating, modifying and enhancing a presentation
	10-Mar-19	<b>Sunday</b>
<b>3</b>	11-Mar-19	Delivering a presentation
	12-Mar-19	Using sound, animation and design templates in presentation
	13-Mar-19	Using sound, animation and design templates in presentation
	17-Mar-19	<b>Sunday</b>
<b>4</b>	18-Mar-19	<b>University Holidays</b>
	19-Mar-19	<b>University Holidays</b>

	20-Mar-19	<b>University Holidays</b>
	21-Mar-19	<b>University Holidays</b>
	22-Mar-19	<b>University Holidays</b>
	23-Mar-19	<b>University Holidays</b>
	24-Mar-19	<b>Sunday</b>
<b>5</b>	25-Mar-19	Using sound, animation and design templates in presentation
	26-Mar-19	Using sound, animation and design templates in presentation
	27-Mar-19	Using sound, animation and design templates in presentation
	31-Mar-19	<b>Sunday</b>

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Apr-19	Power point presentation
	2-Apr-19	Power point presentation
	3-Apr-19	Power point presentation
	7-Apr-19	<b>Sunday</b>
<b>2</b>	8-Apr-19	Revision
	9-Apr-19	Revision
	10-Apr-19	Revision
	14-Apr-19	<b>Vaisakhi / AmbedkarJyanti / Sunday</b>
<b>3</b>	15-Apr-19	Previous question papers discussion
	16-Apr-19	Previous question papers discussion
	17-Apr-19	<b>MahavirJayanti</b>
	21-Apr-19	<b>Sunday</b>
<b>4</b>	22-Apr-19	Revision
	23-Apr-19	Revision
	24-Apr-19	Revision
	28-Apr-19	<b>Sunday</b>
<b>5</b>	29-Apr-19	Revision
	30-Apr-19	Revision

Name: **UpinderKaur**  
 Class and Section: **PGDCA**  
 Subject: **Computer Organization and Networking Fundamentals**

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Jan-19	multiplexer
	2-Jan-19	demultiplexer
	3-Jan-19	Sequential Circuits: Flip-flops – synchronous & asynchronous basic flip flops
	4-Jan-19	Sequential Circuits: Flip-flops – synchronous & asynchronous basic flip flops
	5-Jan-19	D-type & T-type flip flops
	6-Jan-19	<b>Sunday</b>
	<b>2</b>	7-Jan-19
8-Jan-19		master-slave flip flop, characteristics & excitation tables of flip-flops.
9-Jan-19		Registers – shift registers.
10-Jan-19		Registers – shift registers
11-Jan-19		Counters – synchronous & asynchronous binary counters
12-Jan-19		Counters – synchronous & asynchronous binary counters
13-Jan-19		<b>Sunday</b>
<b>3</b>	14-Jan-19	Counters – synchronous & asynchronous binary counters
	15-Jan-19	modulo-N counter
	16-Jan-19	Introduction to Computer Networks: Types of Computer Networks
	17-Jan-19	Introduction to Computer Networks: Types of Computer Networks
	18-Jan-19	topologies
	19-Jan-19	Transmission media - wired and wireless
	20-Jan-19	<b>Sunday</b>
<b>4</b>	21-Jan-19	Transmission media - wired and wireless
	22-Jan-19	Network hardware components - connectors, transceivers
	23-Jan-19	media converters, repeaters
	24-Jan-19	network interface cards and PC cards
	25-Jan-19	<b>Sir Chhoti Ram Jayanti</b>
	26-Jan-19	<b>Republic Day</b>
	27-Jan-19	<b>Sunday</b>
<b>5</b>	28-Jan-19	bridges, switches
	29-Jan-19	routers, gateways
	30-Jan-19	Class Test
	31-Jan-19	Revision

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Feb-19	Revision
	2-Feb-19	Powerpoint Presentation
	3-Feb-19	<b>Sunday</b>
<b>2</b>	4-Feb-19	Class test
	5-Feb-19	Introduction to the Internet
	6-Feb-19	concepts of Internet and Intranet
	7-Feb-19	IP addresses
	8-Feb-19	DNS
	9-Feb-19	Internet Services
	10-Feb-19	<b>VasantPanchami / Sunday</b>
<b>3</b>	11-Feb-19	E-mail
	12-Feb-19	File transfer and FTP
	13-Feb-19	File transfer and FTP
	14-Feb-19	Remote login using TELNET
	15-Feb-19	World Wide Web and HTTP
	16-Feb-19	World Wide Web and HTTP
	17-Feb-19	<b>Sunday</b>
<b>4</b>	18-Feb-19	Web Browsers
	19-Feb-19	<b>Guru Ravi Dass Birthday</b>
	20-Feb-19	Web Browsers
	21-Feb-19	Search Engines
	22-Feb-19	Search Engines
	23-Feb-19	Uniform Resource Locator(URL)
	24-Feb-19	<b>Sunday</b>
<b>5</b>	25-Feb-19	Web Servers
	26-Feb-19	Web Servers

	27-Feb-19	Internet Connections: Dialup; Leased line;
	28-Feb-19	Internet Connections: Dialup; Leased line

Week	Date	Topic
<b>1</b>	1-Mar-19	<b>MahaShivratri</b>
	2-Mar-19	Modems
	3-Mar-19	<b>Sunday</b>
<b>2</b>	4-Mar-19	DSL service;
	5-Mar-19	Internet Service Provider.
	6-Mar-19	Internet Service Provider.
	7-Mar-19	Revision
	8-Mar-19	Revision
	9-Mar-19	Class test
	10-Mar-19	<b>Sunday</b>
<b>3</b>	11-Mar-19	Group Discussion
	12-Mar-19	Power Point Presentation
	13-Mar-19	Power Point Presentation
	14-Mar-19	Group Discussion
	15-Mar-19	Revision
	16-Mar-19	Revision
	17-Mar-19	<b>Sunday</b>
<b>4</b>	18-Mar-19	<b>University Holidays</b>
	19-Mar-19	<b>University Holidays</b>
	20-Mar-19	<b>University Holidays</b>
	21-Mar-19	<b>University Holidays</b>
	22-Mar-19	<b>University Holidays</b>
	23-Mar-19	<b>University Holidays</b>
	24-Mar-19	<b>Sunday</b>
<b>5</b>	25-Mar-19	Previous question papers discussion
	26-Mar-19	Previous question papers discussion
	27-Mar-19	Previous question papers discussion
	28-Mar-19	Boolean Functions: Boolean algebra, Truth tables,

	29-Mar-19	Logic gates
	30-Mar-19	Canonical representation of Boolean functions
	31-Mar-19	<b>Sunday</b>

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Apr-19	simplification of Boolean expressions – Karnaugh Maps, QuineMcClu procedure.
	2-Apr-19	simplification of Boolean expressions – Karnaugh Maps, QuineMcClu procedure.
	3-Apr-19	Combinational Circuits: Half adder, full adder, half subtractor, full subtra parallel binary adder,
	4-Apr-19	Combinational Circuits: Half adder, full adder, half subtractor, full subtra parallel binary adder,
	5-Apr-19	BCD adder, code converter, decoder, encoder, multiplexer, demultiplexer.
	6-Apr-19	BCD adder, code converter, decoder, encoder, multiplexer, demultiplexer.
	7-Apr-19	<b>Sunday</b>
<b>2</b>	8-Apr-19	<b>Revision</b>
	9-Apr-19	<b>Revision</b>
	10-Apr-19	<b>Revision</b>
	11-Apr-19	<b>Revision</b>
	12-Apr-19	Previous question papers discussion
	13-Apr-19	Previous question papers discussion
	14-Apr-19	<b>Vaisakhi / AmbedkarJyanti / Sunday</b>
<b>3</b>	15-Apr-19	Previous question papers discussion
	16-Apr-19	Previous question papers discussion
	17-Apr-19	<b>MahavirJayanti</b>
	18-Apr-19	Revision
	19-Apr-19	Revision
	20-Apr-19	Revision
	21-Apr-19	<b>Sunday</b>
<b>4</b>	22-Apr-19	Revision
	23-Apr-19	Revision
	24-Apr-19	Revision

	25-Apr-19	Revision
	26-Apr-19	Revision
	27-Apr-19	Revision
	28-Apr-19	<b>Sunday</b>
<b>5</b>	29-Apr-19	Revision
	30-Apr-19	Revision

Name: **UpinderKaur**  
Class and Section: **PGDCA**  
Subject: **Operating System**

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	3-Jan-19	File Systems: File concept
	4-Jan-19	File access and allocation methods
	5-Jan-19	File access and allocation methods
	6-Jan-19	<b>Sunday</b>
	10-Jan-19	Directory Systems: Structured Organizations.
	11-Jan-19	Directory Systems: Structured Organizations.
	12-Jan-19	Hardware Management: Disk scheduling policies.
	13-Jan-19	<b>Sunday</b>
	17-Jan-19	Hardware Management: Disk scheduling policies.
	18-Jan-19	Protection: Goals of protection,
	19-Jan-19	principles of protection, domain of protection
	20-Jan-19	<b>Sunday</b>
	24-Jan-19	access matrix & its implementation, revocation of access rights.
	25-Jan-19	access matrix & its implementation, revocation of access rights.
	26-Jan-19	<b>Republic Day</b>
	27-Jan-19	<b>Sunday</b>
	31-Jan-19	Windows: Features of Windows

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Feb-19	Various versions of Windows & its use;
	2-Feb-19	Various versions of Windows & its use
	3-Feb-19	<b>Sunday</b>

	7-Feb-19	My Computer & Recycle bin
	8-Feb-19	Desktop, Icons and Windows Explorer
	9-Feb-19	Desktop, Icons and Windows Explorer
	10-Feb-19	<b>VasantPanchami / Sunday</b>
	14-Feb-19	Dialog Boxes & Toolbars;
	15-Feb-19	Working with Files & Folders
	16-Feb-19	Class test
	17-Feb-19	<b>Sunday</b>
	19-Feb-19	<b>Guru Ravi Dass Birthday</b>
	21-Feb-19	Revision
	22-Feb-19	Power point presentation
	23-Feb-19	simple operations like copy, delete, moving of files and folders from one drive to another
	24-Feb-19	<b>Sunday</b>
	28-Feb-19	simple operations like copy, delete, moving of files and folders from one drive to another

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	1-Mar-19	<b>MahaShivratri</b>
	2-Mar-19	Accessories and Windows Settings using Control Panel.
	3-Mar-19	<b>Sunday</b>
	7-Mar-19	Accessories and Windows Settings using Control Panel.
	8-Mar-19	Linux: Linux architecture
	9-Mar-19	Features of Linux
	10-Mar-19	<b>Sunday</b>
	14-Mar-19	Simple Commands in Linux.
	15-Mar-19	Simple Commands in Linux.
	16-Mar-19	Simple Commands in Linux.
	17-Mar-19	<b>Sunday</b>
<b>4</b>	18-Mar-19	<b>University Holidays</b>
	19-Mar-19	<b>University Holidays</b>
	20-Mar-19	<b>University Holidays</b>

	21-Mar-19	<b>University Holidays</b>
	22-Mar-19	<b>University Holidays</b>
	23-Mar-19	<b>University Holidays</b>
	24-Mar-19	<b>Sunday</b>
	28-Mar-19	Revision
	29-Mar-19	Revision
	30-Mar-19	Revision
	31-Mar-19	<b>Sunday</b>

<b>Week</b>	<b>Date</b>	<b>Topic</b>
	4-Apr-19	Power Point Presentation
	5-Apr-19	Power Point Presentation
	6-Apr-19	Group Discussion
	7-Apr-19	<b>Sunday</b>
	11-Apr-19	Previous question papers discussion
	12-Apr-19	Previous question papers discussion
	13-Apr-19	Previous question papers discussion
	14-Apr-19	<b>Vaisakhi / AmbedkarJyanti / Sunday</b>
	17-Apr-19	<b>MahavirJayanti</b>
	18-Apr-19	Previous question papers discussion
	19-Apr-19	Previous question papers discussion
	20-Apr-19	Previous question papers discussion
	21-Apr-19	<b>Sunday</b>
	25-Apr-19	Revision
	26-Apr-19	Revision
	27-Apr-19	Revision
	28-Apr-19	<b>Sunday</b>