**Lesson Plan**

**Name of the Assistant Professor**: Mandeep Kaur

**Department:** Electronics & IT

**Subject:** Information Technology (I.T.)

**Lesson Plan:** 17 Weeks (July-November 2018)

|  |  |  |  |  |  |  |  |  |  |
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| **WEEK** | **DATE** | **Class: B.Sc(Hons)-IT**  **Sem: III**  **Paper: BSIT-305**  **Subject: Operating System-II**  **Days: Th-F-S (3 days)** | | **Class: B.Sc(Hons)-IT**  **Sem: III**  **Paper: BSIT-306**  **Subject: Programming in C-I Days: M-T-W (3 days)** | **Class: B.Sc(Hons)-IT**  **Sem: V**  **Paper: BSIT-502**  **Subject: Programming in C++-I**  **Days: M-T-W (3 days)** | | **Class: B.Sc(Hons)-IT**  **Sem: V**  **Paper: BSIT-503**  **Subject: Web-Site Design Implementing Basic Design Tools-I**  **Days: Th-F-S (3 days)** | | **Class: B.Sc(Hons)-IT**  **Sem: V**  **Paper: BSIT-503**  **Subject: Internet Concepts & Applications-I**  **Days: Th-F-S (3 days)** |
| I | **16-07-2018** | **-** | | **Introduction:** History of C | Concepts of OOPS | | **-** | | **-** |
| **17-07-2018** | **-** | | Importance of C,  C Character Set | Structure of C++ | | **-** | | **-** |
| **18-07-2018** | **-** | | Identifiers & Keywords | C++ data types | | **-** | | **-** |
| **19-07-2018** | Operating System - Functions & Structure | | **-** | **-** | | HTML : Introduction | | Types of Internet Connection |
| **20-07-2018** | Introduction to Operating System | | **-** | **-** | | Basic structure elements | | Dial Up Connection |
| **21-07-2018** | Historical evolution of Operating System | | **-** | **-** | | Categories of body elements (study  At least one example) | | ISDN |
| **22-07-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| II | **23-07-2018** | **-** | Data types | | | Pointer, constant reference | | **-** | **-** |
| **24-07-2018** | **-** | Qualifiers, Constants | | | Operators( arithmetic, relational, logical and bitwise) | | **-** | **-** |
| **25-07-2018** | **-** | Variables and their declarations | | | Operator precedence | | **-** | **-** |
| **26-07-2018** | Different services of Operating System | **-** | | | **-** | | To view pages in browsers and HTML source | DSL |
| **27-07-2018** | Types of Operating Systems | **-** | | | **-** | | Nesting rules | Cable TV Internet Connection. |
| **28-07-2018** | Doubt Session | **-** | | | **-** | | Beautification of documents using tags. | Doubt Session |
| **29-07-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| III | **30-07-2018** | **-** | Symbolic Constants | | | Doubt Session | | **-** | **-** |
| **31-07-2018** | **MARTYRDOM DAY OF SHAHEED UDHAM SINGH HOLIDAY** | | | | | | | |
| **01-08-2018** | **-** | Comments in C | | | Control flow statements. | | **-** | **-** |
| **02-08-2018** | Operating System Architecture | **-** | | | **-** | | Changing color schemes and fonts( study at least one example) | Satellite Internet Connection |
| **03-08-2018** | Concept of System Calls | **-** | | | **-** | | Block level elements | Wireless Internet Connection. |
| **04-08-2018** | Virtual Machine and Booting. | **-** | | | **-** | | <p>, <h1>, <h2>, <h3>, <h4>, <h5>, <h6>, <ul>, <ol>, | Doubt Session |
| **05-08-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| IV | **06-08-2018** | **-** | Discussion on Covered  Topics | | | Enumeration, | | **-** | **-** |
| **07-08-2018** | **-** | Doubt Session | | | Array | | **-** | **-** |
| **08-08-2018** | **-** | Expressions & statements | | | Strings | | **-** | **-** |
| **09-08-2018** | Discussion on Covered  Topics | **-** | | | **-** | | <dl>, <pre>, <hr />, <blockquote>, and <address> | Need of information |
| **10-08-2018** | Doubt Session on Unit-1 | **-** | | | **-** | | Text level elements. <b>, <i>, <u>, <em>, <strong>, <sup>, <sub>, <big> | Internet construction concepts |
| **11-08-2018** | Class test of Unit-1 | **-** | | | **-** | | <small>, <li>, <ins>, <del>, <code>, <cite>, <dfn>, <kbd>, and <var> | e-mail concepts |
| **12-08-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| V | **13-08-2018** | - | Structure of a C Program | | | Structures | | **-** | **-** |
| **14-08-2018** | - | Console I/O (printf, scanf). | | | Union | | **-** | **-** |
| **15-08-2018** | **INDEPENDENCE DAY** | | | | | | | |
| **16-08-2018** | **Process Management:** Process Concept | - | | | - | | Front style elements Phrase elements, | E- mail tasks |
| **17-08-2018** | Process States, Process Control Block | - | | | - | | Ins & Del elements | E- mail attachments, |
| **18-08-2018** | Process Scheduling | - | | | - | | External Link attributes | Mailing lists |
| **19-08-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| VI | **20-08-2018** | **-** | Escape Sequences. | | | Pointers | | **-** | **-** |
| **21-08-2018** | **-** | Doubt Session | | | Doubt Session | | **-** | **-** |
| **22-08-2018** | **IDUL JUHA** | | | | | | | |
| **23-08-2018** | Context Switching, Schedulers | **-** | | | - | | HREF, Anchor, | Filtering e- mails |
| **24-08-2018** | Operation of Processes | **-** | | | - | | Text, title | Controlling e-mail spam. |
| **25-08-2018** | Discussion on Covered  Topics | **-** | | | - | | Discussion on Covered  Topics | World wide web concepts |
| **26-08-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| VII | **27-08-2018** | **-** | **Operators in C:** Arithmetic, logical, relational & bitwise operators | | | Functions | | **-** | **-** |
| **28-08-2018** | **-** | Assignment and Conditional Operators | | | Scope and the free store allocation, | | **-** | **-** |
| **29-08-2018** | **-** | Increment and Decrement Operators, operator hierarchy & Associativity. | | | Recursion | | **-** | **-** |
| **30-08-2018** | MCQ test on Unit-II | **-** | | | - | | name, target attributes | search engines |
| **31-08-2018** | **Scheduling:** Basic concepts | **-** | | | - | | Internal Link using URLs | web directories[ basic idea ] |
| **01-09-2018** | Scheduling criteria | **-** | | | - | | absolute & relative links | web resources, applications [ in brief ] |
| **02-09-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| VIII | **03-09-2018** | JANMASHTAMI | | | | | | | |
| **04-09-2018** | **-** | Size of operator, Type conversion and cast operator | | | In line functions, | | **-** | **-** |
| **05-09-2018** | **-** | Library functions in C. | | | Argumentpassing | | **-** | **-** |
| **06-09-2018** | Scheduling Algorithms: FCFS, SJF | **-** | | | - | | Default pages | MCQ test |
| **07-09-2018** | Priority, RR, Multilevel Queue Scheduling | **-** | | | - | | Jump to Named Anchor with Internal Link | Protocol |
| **08-09-2018** | Multilevel Feedback Queue Scheduling. Multiprocessor Scheduling and Real-Time Scheduling. | **-** | | | - | | Verifying and maintaining tools. | File transfer concepts, |
| **09-09-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| IX | **10-09-2018** | - | Decision Making in C: Decision making with IF statement | | | Reference and array argument | | **-** | **-** |
| **11-09-2018** | **-** | IF-ELSE statement, Nested IF statement, | | | Overloaded function names | | **-** | **-** |
| **12-09-2018** | **TEEJ** | | | | | | | |
| **13-09-2018** | Discussion on Covered  Topics by PPT | **-** | | | - | | Lists : Ordered | Logic operators in Search Engines |
| **14-09-2018** | Numerical solving on various algorithms | **-** | | | - | | Lists : Unordered | And, Or, Not |
| **15-09-2018** | MCQ test on Scheduling Algorithms | **-** | | | - | | Lists : Definition & Nested | Discussion on Covered  Topics by PPT |
| **16-09-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| X | **17-09-2018** | **-** | ELSE-IF ladder, Programming examples using if Structure. | | | Template functions, | | **-** | - |
| **18-09-2018** | **-** | Discussion on Covered  Topics | | | Pointer to function, | | **-** | - |
| **19-09-2018** | **-** | MCQ on Covered  Topics | | | type –safe linkage. | | **-** | - |
| **20-09-2018** | [MUHARRAM](https://www.bankbazaar.com/indian-holiday/muharram-holiday.html) | | | | | | | |
| **21-09-2018** | **Deadlocks:** Deadlocks, Graphical representation of a Deadlock | **-** | | | **-** | | Understanding Table, Table model for HTML 4.0( elements ). | Mailing List types |
| **22-09-2018** | Deadlock Prerequisites, | **-** | | | **-** | | Table attributes. | Doubt Session |
| **23-09-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XI | **24-09-2018** | **-** | Decision Making in C: switch statement | | | Class definition, class objects, | | **-** | **-** |
| **25-09-2018** | **-** | goto statement. Programming examples using switch and goto Structures. | | | member functions, | | **-** | **-** |
| **26-09-2018** | **-** | Discussion on Covered  Topics | | | implicit this pointer, | | **-** | **-** |
| **27-09-2018** | Methods for handling Deadlocks: Prevention, | **-** | | | **-** | | Table background | Web Resources definition, |
| **28-09-2018** | Deadlock Avoidance | **-** | | | **-** | | table width and height | Types of web resources |
| **29-09-2018** | Detection and Recovery. | **-** | | | **-** | | Table Caption | Difference between Search Engine & Web Directory |
| **30-09-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XII | **01-10-2018** | **-** | Looping in C: while, do-while & for loops | | | static class members | | **-** |  |
| **02-10-2018** | MAHATMA GANDHI JAYANTI | | | | | | | |
| **03-10-2018** | **-** | break & continue statements, | | | break & continue statements, | | **-** |  |
| **04-10-2018** | Discussion on Covered  Topics by PPT | **-** | | | **-** | | Nested Tables | file transfer |
| **05-10-2018** | Discussion on Covered  Topics by PPT Session | **-** | | | **-** | | Discussion on Covered  Topics | protocol [ FTP ] programmes |
| **06-10-2018** | Doubt Session | **-** | | | **-** | | Doubt Session | TCP/IP |
| **07-10-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XIII | **08-10-2018** | **-** | Programming examples using loop Structures. | | | Arrays: 1-D & 2-D arrays | | **-** |  |
| **09-10-2018** | **-** | Arrays: 1-D & 2-D arrays | | | Discussion on Covered  Topics by PPT Session | | **-** |  |
| **10-10-2018** | **MAHARAJA AGRASEN JAYANTI** | | | | | | | |
| **11-10-2018** | Interprocess Communication and Synchronization | **-** | | | **-** | | Classify HTML document | ! delete literal prompt send |
| **12-10-2018** | Cooperating Processes, | **-** | | | **-** | | various head section elements | ? debug ls put status |
| **13-10-2018** | Interprocess Communication: Producer Consumer Problem | **-** | | | **-** | | specifying language information | append dir mdelete pwd trace |
| **14-10-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XIV | **15-10-2018** | **-** | Creating and Processing Arrays | | | Creating and Processing Arrays | | **-** |  |
| **16-10-2018** | **-** | Applications of arrays in searching | | | String Functions | | **-** |  |
| **17-10-2018** | **-** | Applications of arrays in sorting | | | Doubt Session | | **-** |  |
| **18-10-2018** | Discussion on Covered  Topics by PPT Session | **-** | | | **-** | | Lang attribute, | ascii disconnect mdir quit type |
| **19-10-2018** | [**DUSSHERA**](https://www.bankbazaar.com/indian-holiday/dussehra-holiday.html) | | | | | | | |
| **20-10-2018** | Doubt Session | **-** | | | **-** | | Doubt Session | bell get mget quote user |
| **21-10-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XV | **22-10-2018** |  | Discussion on Covered  Topics | | | Class scope, | | **-** | **-** |
| **23-10-2018** |  | **Arrays:** Merging & matrices. | | | Local & Global Scope | | **-** | **-** |
| **24-10-2018** | **MAHARSHI VALMIKI BIRTHDAY** | | | | | | | |
| **25-10-2018** | Process Synchronization: Critical Section, | **-** | | | **-** | | Discussion on Covered  Topics by PPT Session | binary glob mkdir recv |
| **26-10-2018** | Hardware supported solutions | **-** | | | **-** | | Image Maps | verbose  bye hash mls |
| **27-10-2018** | Software solutions. | **-** | | | **-** | | Example of Head Tags | remotehelp  cd help |
| **28-10-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XVI | **29-10-2018** | **-** | Character I/O functions: getchar(), getche(), | | | constructors | | **-** | **-** |
| **30-10-2018** | **-** | getch(), putchar(). | | | Types of Constructors | | **-** | **-** |
| **31-10-2018** | **-** | Discussion on Covered  Topics | | | Destructors | | **-** | **-** |
| **01-11-2018** | **HARYANA DAY** | | | | | | | |
| **02-11-2018** | Discussion on Covered  Topics by PPT Session | **-** | | | **-** | | Discussion on Covered  Topics by PPT Session | mput rename  close lcd open rmdir |
| **03-11-2018** | Test of Unit-III | **-** | | | **-** | | MCQ test on all topics | Telnet |
| **04-11-2018** | **SUNDAY SUNDAY SUNDAY** | | | | | | | |
| XVII | **05-11-2018** | Doubt Session on all Units | **-** | | | MCQ test on all topics | | Doubt Session on all Units | Doubt Session on all Units |
| **06-11-2018** | **DIWALI BREAK (VACATION-1)** | | | | | | | |
| **07-11-2018** |
| **08-11-2018** |
| **09-11-2018** |
| **10-11-2018** |
| **11-11-2018** |
| XVIII | **12-11-2018** |
| **13-11-2018** |
| **14-11-2018** | Doubt Session on all Units | Doubt Session on all Units | | | Doubt Session on all Units | | Doubt Session on all Units | Doubt Session on all Units |