**Lesson Plan**

**Name of the Assistant Professor**- Ms. Kanika Chourasia

**Subject**- Computer Science & Applications

**Lesson Plan**- 17 Weeks (July-Nov 2018)

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| **Week** | **Date** |  **BCA (IIIrd Sem)****Computer System Architecture** |  **BCA(1st Sem)****Computer And Programming Fundamental** |
| 1 | 16-July-18 |  |  |
| 17-July-18 |  |  |
| 18-July-18 |  |  |
| 19-July-18 | Basic Computer Organisation and Design: | Computer Fundamentals: Definition, |
| 20-July-18 | Instruction Codes, Computer registers | Block Diagram along with its components, |
| 21-July-18 | Design of accumulator logic | characteristics & classification of computers |
| 22-July-18 | Sunday |
| 2 | 23-July-18 |  |  |
| 24-July-18 |  |  |
| 25-July-18 |  |  |
| 26-July-18 | Computer Instructions | Applications of computers in various fields. |
| 27-July-18 | Timing and Control | Memory: Concept of primary & secondary memory, RAM, |
| 28-July-18 | Instruction Cycle | ROM, types of ROM, flash memory, |
| 29-July-18 | Sunday |
| 3 | 30-July-18 |  |  |
| 31-July-18 | Shaheedi udham singh’s martyrdom day |
| 1-Aug-18 |  |  |
| 2-Aug-18 | Memory reference instructions | Secondary storage devices: Sequential & direct access devices viz. magnetic tape, |
| 3-Aug-18 | Input-Output and Interrupt | magnetic disk,. |
| 4-Aug-18 | RISC, CISC. | CD, DVD |
| 5-Aug-18 | Sunday |
| 4 | 6-Aug-18 |  |  |
| 7-Aug-18 |  |  |
| 8-Aug-18 |  |  |
| 9-Aug-18 | Central Processing Unit: | Computer hardware & software: relationship between hardware and software |
| 10-Aug-18 | General registers Organization | types of software, Operating system: Definition, |
| 11-Aug-18 | Stack Organization | functions of operating system, single-user & multi-user operating system |
| 12-Aug-18 | Sunday |
| 5 | 13-Aug-18 | Haryali teej |
| 14-Aug-18 |  |  |
| 15-Aug-18 | Independence day |
| 16-Aug-18 | Instruction formats | multiprogramming, multitasking, |
| 17-Aug-18 | Addressing Modes | multithreading, multiprocessing, |
| 18-Aug-18 | Program Interrupt | time-sharing, real time, |
| 19-Aug-18 | Sunday |
| 6 | 20-Aug-18 |  |  |
| 21-Aug-18 |  |  |
| 22-Aug-18 | Id-ul-zuha(bakrid) |
| 23-Aug-18 | assignment | Problem Solving: Flowcharting, |
| 24-Aug-18 | Memory Organization | algorithms |
| 25-Aug-18 | Memory hierarchy | pseudo code, |
| 26-Aug-18 | Sunday |
| 7 | 27-Aug-18 |  |  |
| 28-Aug-18 |  |  |
| 29-Aug-18 |  |  |
| 30-Aug-18 | Auxiliary Memory | Computer Languages: Analogy with natural language, |
| 31-Aug-18 | Associative Memory | machine language |
| 1-Sep-18 | Talent show |
| 2-Sep-18 | Sunday |
| 8 | 3-Sep-18 | Janmashtmi |
| 4-Sep-18 |  |  |
| 5-Sep-18 |  |  |
| 6-Sep-18 | Associative Memory | assembly language |
| 7-Sep-18 | Cache memory | high-level language, language translators, |
| 8-Sep-18 | Data Transfer and Manipulation, Program Control | characteristics of a good programming language. |
| 9-Sep-18 | Sunday |
| 9 | 10-Sep-18 |  |  |
| 11-Sep-18 |  |  |
| 12-Sep-18 |  |  |
| 13-Sep-18 | Virtual Memory | assignment |
| 14-Sep-18 | Memory Management Hardware | Searching, Sorting, and Merging: Linear search |
| 15-Sep-18 | Input Output Organization | Binary Searching |
| 16-Sep-18 | Sunday |
| 10 | 17-Sep-18 |  |  |
| 18-Sep-18 |  |  |
| 19-Sep-18 |  |  |
| 20-Sep-18 | Peripheral devices | Bubble sort |
| 21-Sep-18 | Input-Output Interface | Selection sort |
| 22-Sep-18 | Asynchronous data transfer | Insertion Sorting |
| 23-Sep-18 | Sunday |
| 11 | 24-Sep-18 |  |  |
| 25-Sep-18 |  |  |
| 26-Sep-18 |  |  |
| 27-Sep-18 | Modes of Transfer | Merging |
| 28-Sep-18 | Priority Interrupt | decision table |
| 29-Sep-18 | Direct Memory Access(DMA) | Structured programming concepts |
| 30-Sep-18 | Sunday |
| 12 | 1-Oct-18 |  |  |
| 2-Oct-18 | Mahatma gandhi’s jayanti |
| 3-Oct-18 |  |  |
| 4-Oct-18 | Input-Output Processor(IOP) | Programming methodologies viz. top-down and bottom-up programming. |
| 5-Oct-18 | Design of Basic computer | Computer Virus, WORMS, Trojan |
| 6-Oct-18 | Register Transfer and Microoperations | Planning the Computer Program: Concept of problem solving, |
| 7-Oct-18 | Sunday |
| 13 | 8-Oct-18 |  |  |
| 9-Oct-18 |  |  |
| 10-Oct-18 | Maharaja aggarsen jayanti |
| 11-Oct-18 | Register Transfer Language (RTL),register transfer, Bus and Memory Transfers | Problem definition |
| 12-Oct-18 | Logic Microoperations | Program design |
| 13-Oct-18 | Arithmetic Microoperations | Debugging |
| 14-Oct-18 | Sunday |
| 14 | 15-Oct-18 |  |  |
| 16-Oct-18 |  |  |
| 17-Oct-18 |  |  |
| 18-Oct-18 | Dussehra |
| 19-Oct-18 | sessional | sessional |
| 20-Oct-18 | Shift Microoperations | Types of errors in programming |
| 21-Oct-18 | Sunday |
| 15 | 22-Oct-18 |  |  |
| 23-Oct-18 |  |  |
| 24-Oct-18 | Maharishi valmiki’s birthday |
| 25-Oct-18 | Arithmetic Logic Shift Unit | Documentation |
| 26-Oct-18 | Interleaved memory | I/O devices |
| 27-Oct-18 | Microprogrammed Control:Control memory | I/O devices |
| 28-Oct-18 | Sunday |
| 16 | 29-Oct-18 |  |  |
| 30-Oct-18 |  |  |
| 31-Oct-18 |  |  |
| 1-Nov-18 | Haryana day |
| 2-Nov-18 | address sequencing, microprogram sequencer | Question paper discussion |
| 3-Nov-18 | Design of Control Unit, Question paper discussion | Question paper discussion |
| 4-Nov-18 | Sunday |
| 17 | 5-Nov-18 |  |  |
| 6-Nov-18 | Holiday |
| 7-Nov-18 | Diwali |
| 8-Nov-18 | Holiday |
| 9-Nov-18 | Vishavkarma day |
| 10-Nov-18 | Holiday |
| 11-Nov-18 | Sunday |
| 18 | 12-Nov-18 | Holiday |
| 13-Nov-18 | Holiday |
| 14-Nov-18 |  |  |