**Lesson Plan**

**Name of the Assistant Professor: Dr. Rajinder Singh**

**Department: Electronics**

**Subject: Electronics**

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

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| **Week** | **Date** | **Class: B.Sc Electronics-III**  **Sem: V**  **Paper: I**  **Subject/Nomenclature: Microprocessor Architecture and Programming-I**  **Days: M-T-W (3 days)** |
|  | **16-07-18** | Simple Idea of three state switch |
| **17-07-18** | Three state bus |
| **18-07-18** | SAP-I (Simple as Possible ) Computer |
| **19-07-18** | **-** |
| **20-07-18** | **-** |
| **21-07-18** | **-** |
| **22-07-18** | **Sunday** |
|  | **23-07-18** | SAP-I (Simple as Possible ) Architecture, |
| **24-07-18** | Instruction Set |
| **25-07-18** | Instruction Set continued |
| **26-07-18** | **-** |
| **27-07-18** | **-** |
| **28-07-18** | **-** |
| **29-07-18** | **Sunday** |
|  | **30-07-18** | Programming SAP-1 |
| **31-07-18** | **Shaheed udham singh’s martyrdom day** |
| **1-08-18** | Fetch Cycle |
| **2-08-18** | **-** |
| **3-08-18** | **-** |
| **4-08-18** | **-** |
| **5-08-18** | **Sunday** |
|  | **6-08-18** | Execution Cycle |
| **7-08-18** | Discussion on All topics |
| **8-08-18** | Doubt Session |
| **9-08-18** | **-** |
| **10-08-18** | **-** |
| **11-08-18** | **-** |
| **12-08-18** | **Sunday** |
|  | **13-08-18** | **Haryaliteej** |
| **14-08-18** | SAP-II Architecture |
| **15-08-18** | **Independence day** |
| **16-08-18** | **-** |
| **17-08-18** | **holiday** |
| **18-08-18** | **-** |
| **19-08-18** | **Sunday** |
|  | **20-08-18** | Instruction set of SAP –II Computer |
| **21-08-18** | Memory Reference instructions |
| **22-08-18** | **Id-ul-zuha(bakrid)** |
| **23-08-18** | **-** |
| **24-08-18** | **-** |
| **25-08-18** | **-** |
| **26-08-18** | **Sunday** |
|  | **27-08-18** | Register Instructions |
| **28-08-18** | Jump and Call instructions |
| **29-08-18** | Logic instructions |
| **30-08-18** | **-** |
| **31-08-18** | **-** |
| **1-09-18** | **-** |
| **2-09-18** | **Sunday** |
|  | **3-09-18** | **Janmashtmi** |
| **4-09-18** | Machine Cycle and Instruction Cycle |
| **5-09-18** | Addressing Modes |
| **6-09-18** | **-** |
| **7-09-18** | **-** |
| **8-09-18** | **-** |
| **9-09-18** | **Sunday** |
|  | **10-09-18** | Instruction Types |
| **11-09-18** | Delay Calculations, SAP-III programming Model |
| **12-09-18** | MOV & MVI, Arithmetic instructions |
| **13-09-18** | **-** |
| **14-09-18** | **-** |
| **15-09-18** | **-** |
| **16-09-18** | **Sunday** |
|  | **17-09-18** | Increments, decrements and rotates |
| **18-09-18** | Logic instructions, Arithmetic and logical immediate |
| **19-09-18** | Jump instructions |
| **20-09-18** | **-** |
| **21-09-18** | **-** |
| **22-09-18** | **-** |
| **23-09-18** | **Sunday** |
|  | **24-09-18** | Extended register instructions |
| **25-09-18** | Indirect instructions |
| **26-09-18** | Stack instructions |
| **27-09-18** | **-** |
| **28-09-18** | **-** |
| **29-09-18** | **-** |
| **30-09-18** | **Sunday** |
|  | **1-10-18** | Architecture of 8085 Microprocessor |
| **2-10-18** | **Mahatma gandhi’sjayanti** |
| **3-10-18** | Pin Description of 8085 |
| **4-10-18** | **-** |
| **5-10-18** | **-** |
| **6-10-18** | **-** |
| **7-10-18** | **Sunday** |
|  | **8-10-18** | Instruction set of 8085 |
| **9-10-18** | Instruction set of 8085 continued |
| **10-10-18** | **Maharaja aggarsenjayanti** |
| **11-10-18** | **-** |
| **12-10-18** | **-** |
| **13-10-18** | **-** |
| **14-10-18** | **Sunday** |
|  | **15-10-18** | Fetching instructions. |
| **16-10-18** | Executing Instructions |
| **17-10-18** | Doubt Session |
| **18-10-18** | **Dussehra** |
| **19-10-18** | **-** |
| **20-10-18** | **-** |
| **21-10-18** | **Sunday** |
|  | **22-10-18** | Idea of fetch execute overlap |
| **23-10-18** | Revision of Instruction Set |
| **24-10-18** | **Maharishi valmiki’s birthday** |
| **25-10-18** | **-** |
| **26-10-18** | **-** |
| **27-10-18** | **-** |
| **28-10-18** | **Sunday** |
|  | **29-10-18** | Discussion on all instructions |
| **30-10-18** | Doubt Session |
| **31-10-18** | Oral Test |
| **1-11-18** | **Haryana day** |
| **2-11-18** | **-** |
| **3-11-18** | **-** |
| **4-11-18** | **Sunday** |
|  | **5-11-18** | Doubt Session |
| **6-11-18** | **Diwali Break** |
| **7-11-18** |
| **8-11-18** |
| **9-11-18** |
| **10-11-18** |
| **11-11-18** |
|  | **12-11-18** |
| **13-11-18** |
| **14-11-18** | Doubt Session |