

SUMMARY OF LESSON PLAN

Name of the Assistant/ Associate Professor : MRS. RUCHI
Class and Section : B.Sc. Ist (Sem – IInd)
Subject Lesson Plan : Logical Organization of
Computer(Paper-IInd)
Month : January 2018

| Date | Topics |
|------------|-------------------------------------------|
| 01-01-2018 | Introduction – Information Representation |
| 02-01-2018 | Number System |
| 03-01-2018 | Number System |
| 04-01-2018 | Binary Arithmetic |
| 05-01-2018 | GURU GOBIND SINGH JAYANTI |
| 06-01-2018 | Binary Arithmetic |
| 07-01-2018 | SUNDAY |
| 08-01-2018 | Fixed Point Representation |
| 09-01-2018 | Floating Point Representation |
| 10-01-2018 | BCD codes |
| 11-01-2018 | Error Detection & Correction |
| 12-01-2018 | Error Detection & Correction |
| 13-01-2018 | ASCII, EBCDIC Representation |
| 14-01-2018 | SUNDAY |
| 15-01-2018 | Problem Discussion |
| 16-01-2018 | Problem Discussion |

Month

: January 2018

| Date | Particulars |
|------------|------------------------------------------|
| 17-01-2018 | Test – Information Representation System |
| 18-01-2018 | Seminar |
| 19-01-2018 | Introduction – Binary Logic |
| 20-01-2018 | Boolean Algebra |
| 21-01-2018 | SUNDAY |
| 22-01-2018 | VASANT PANCHAMI |
| 23-01-2018 | Boolean Theorems |
| 24-01-2018 | SIR CHOTU RAM JAYANTI |
| 25-01-2018 | Boolean Functions |
| 26-01-2018 | REPUBLIC DAY |
| 27-01-2018 | Boolean Functions |
| 28-01-2018 | SUNDAY |
| 29-01-2018 | Truth Tables |
| 30-01-2018 | Canonical forms of Boolean Functions |
| 31-01-2018 | GURU RAVIDAS BIRTHDAY |

Month

: February 2018

| Date | Topics |
|------------|--------------------------------------------------------|
| 01-02-2018 | Standard forms of Boolean Functions |
| 02-02-2018 | Simplification of Boolean Functions Using Venn Diagram |
| 03-02-2018 | Simplification of Boolean Functions Using K-Maps |
| 04-02-2018 | SUNDAY |
| 05-02-2018 | Practice of Solving Boolean Functions |
| 06-02-2018 | Problem Discussion |
| 07-02-2018 | Problem Discussion |
| 08-02-2018 | Test – Binary Logic |
| 09-02-2018 | Assignment – Boolean Functions |
| 10-02-2018 | MAHARSHI DAYANAND SARASWATI JAYANTI |
| 11-02-2018 | SUNDAY |
| 12-02-2018 | Introduction – Digital Logic |
| 13-02-2018 | MAHA SHIVRATRI |
| 14-02-2018 | Basic Gate – AND, OR, NOT |
| 15-02-2018 | Universal Gates – NAND, NOR |
| 16-02-2018 | Other Gates-XOR, XNOR etc. |

Month

: February 2018

| Date | Particulars |
|-------------|---------------------------------------|
| 17-02-2018 | Patrice of Gates |
| 18-02-2018 | SUNDAY |
| 19-02-2018 | Assignment- Gates |
| 20-02-2018 | Introduction – Combinational Circuits |
| 21-02-2018 | Half Adder |
| 22-02-2018 | Full Adder |
| 23-02-2018 | Half Subtract or |
| 24-02-2018 | Full Subtract or |
| 25-02-2018 | SUNDAY |
| 26-02-2018 | Encoder |
| 27-02-2018 | Decoder |
| 28-02-2018 | VACATION |

Month

: March 2018

| Date | Topics |
|-------------------|----------------------------------------------------------------------|
| 01-03-2018 | GURU RAVIDAS BIRTHDAY |
| 02-03-2018 | HOLI |
| 03-03-2018 | VACATION |
| 04-03-2018 | SUNDAY |
| 05-03-2018 | Multiplexers |
| 06-03-2018 | Demultiplexers |
| 07-03-2018 | Comparators |
| 08-03-2018 | Code Convertors |
| 09-03-2018 | Code Convertors |
| 10-03-2018 | Problem Discussion |
| 11-03-2018 | SUNDAY |
| 12-03-2018 | Test – Combinational Circuits |
| 13-03-2018 | Seminar |
| 14-03-2018 | Seminar |
| 15-03-2018 | Introduction – Sequential Circuits |
| 16-03-2018 | Difference between Combinational & Combinational Circuits |

Month

: March 2018

| Date | Particulars |
|-------------|---------------------------------------------------|
| 17-03-2018 | Flip Flop |
| 18-03-2018 | SUNDAY |
| 19-03-2018 | Clocked RS Flip Flops |
| 20-03-2018 | JK Flip Flop |
| 21-03-2018 | T Flip Flop |
| 22-03-2018 | D Flip Flop |
| 23-03-2018 | SHAHEEDI DIWAS OF BHAGAT SINGH, RAJGURU & SUKHDEV |
| 24-03-2018 | Master Slave Flip Flops |
| 25-03-2018 | SUNDAY/ RAM NAVMI |
| 26-03-2018 | State table |
| 27-03-2018 | State Diagram |
| 28-03-2018 | Flip Flop Excitation Tables |
| 29-03-2018 | MAHAVIR JAYANTI |
| 30-03-2018 | GOOD FRIDAY |
| 31-03-2018 | Problem Discussion |

Month : **April 2018**

| Date | Topics |
|-------------|-----------------------------------------|
| 01-04-2018 | SUNDAY |
| 02-04-2018 | Test – Sequential Logic |
| 03-04-2018 | Assignment – Sequential Circuits |
| 04-04-2018 | Introduction – Shift Register |
| 05-04-2018 | Shift Register - Serial In Parallel Out |
| 06-04-2018 | Shift Register – Parallel In Serial Out |
| 07-04-2018 | Introduction – Counter |
| 08-04-2018 | SUNDAY |
| 09-04-2018 | Asynchronous Binary Counters |
| 10-04-2018 | Synchronous Binary Counters |
| 11-04-2018 | Modulo – N Counter |
| 12-04-2018 | Up & Down Counters |
| 13-04-2018 | Problem Discussion |
| 14-04-2018 | DR AMBEDKAR JAYANTI / VAISAKHI |
| 15-04-2018 | SUNDAY |
| 16-04-2018 | Test – Register & Counter |

Month

: April 2018

| Date | Particulars |
|-------------|----------------------------------------|
| 17-04-2018 | Assignment |
| 18-04-2018 | PARASHURAMA JAYANTI |
| 19-04-2018 | Revision of Information Representation |
| 20-04-2018 | Revision of Information Representation |
| 21-04-2018 | Test |
| 22-04-2018 | SUNDAY |
| 23-04-2018 | Revision of Binary Logic |
| 24-04-2018 | Test |
| 25-04-2018 | Revision of Digital Logic |
| 26-04-2018 | Test |
| 27-04-2018 | Revision of Sequential Logic |
| 28-04-2018 | Test |
| 29-04-2018 | SUNDAY |
| 30-04-2018 | Problem Discussion |