

Saraswati Mahila Mahavidyalaya, Palwal

Lesson Plan :

Name of the Assistant/Associate Professor: Ms. Shweta Chhabra.

Class and Section: BCA 1st year

Name of subject: Logical organization - II. (T)

Subject Lesson Plan : 18 weeks (from January 2018 to April 2018)

(Note: Prepare as per list of holidays declared by Haryana govt.)

WEEK 1
ASSIGNMENT:
WEEK 1, DAY 1, DATE :01/01/2018(MONDAY) Basic Introduction of logic circuits and Logic Gates.
WEEK 1, DAY 2, DATE :02/01/2018(TUESDAY) Explanation of sequential Logic and Characteristics of sequential Logic.
WEEK 1, DAY 3, DATE :03/01/2018(WEDNESDAY) Combinational Logic, Difference between Sequential and Combinational Logic.
WEEK 1, DAY 4, DATE :04/01/2018(THURSDAY) Basic Introduction of FLIP-FLOPs.
WEEK 1, DAY 5, DATE :05/01/2018(FRIDAY) Holiday on account of Guru Govind Singh's Birthday
WEEK 1, DAY 6, DATE :06/01/2018(SATURDAY)

Presentation : Sequential Logic.

WEEK 2

ASSIGNMENT:

WEEK 2, DAY 1, DATE : 08/01/2018 (MONDAY)

S-R flip-flop. NAND gate Implementation of S-R flip-flop.

WEEK 2, DAY 2, DATE : 09/01/2018 (TUESDAY)

state Table and state Diagram of S-R flip-flop.

WEEK 2, DAY 3, DATE : 10/01/2018 (WEDNESDAY)

state Equation and Excitation Table of S-R flip-flop.

WEEK 2, DAY 4, DATE : 11/01/2018 (THURSDAY)

Introduction of Clocked - RS flip-flop.

WEEK 2, DAY 5, DATE : 12/01/2018 (FRIDAY)

J-K flip-flop. Difference between S-R and J-K f/f.

WEEK 2, DAY 6, DATE : 13/01/2018 (SATURDAY)

Revision : SR and JK flip-flop

WEEK 3

ASSIGNMENT:

WEEK 3, DAY 1, DATE :15/01/2018(MONDAY)

State Diagram, State Equation and Excitation Table of J-K F/F.

WEEK 3, DAY 2, DATE :16/01/2018(TUESDAY)

Assignment: What do you mean by Flip-Flop. Explain J-K and S-R F/F in detail.

WEEK 3, DAY 3, DATE :17/01/2018(WEDNESDAY)

Introduction of D-Type F/F.

WEEK 3, DAY 4, DATE :18/01/2018(THURSDAY)

D-Flip-Flop: State Table and State Equations.

WEEK 3, DAY 5, DATE :19/01/2018(FRIDAY)

Excitation Table of D-Flip-Flop.

WEEK 3, DAY 6, DATE :20/01/2018(SATURDAY)

T Type Flip-Flop: Basic Introduction.

WEEK 4

ASSIGNMENT:

WEEK 4, DAY 1, DATE :22/01/2018(MONDAY)

State Table, State Equation and State Diagram.

Holiday on account of Basant Panchmi.

WEEK 4 ,DAY 2 ,DATE :23/01/2018(TUESDAY)

Introduction of Master slave f/f

WEEK 4,DAY 3 ,DATE :24/01/2018(WEDNESDAY)

Holiday on account of Sir Chotu Ram Jayanti.

WEEK 4 ,DAY 4 ,DATE :25/01/2018(THURSDAY)

Continue - - - - -

WEEK 4,DAY 5 ,DATE :26/01/2018(FRIDAY)

Holiday on account of Republic Day.

WEEK 4 ,DAY 6 ,DATE :27/01/2018(SATURDAY)

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WEEK 5

ASSIGNMENT:

WEEK 5,DAY 1 ,DATE :29/01/2018(MONDAY)

Introduction to sequential Circuits &
Designing Registers

WEEK 5 ,DAY 2 ,DATE :30/01/2018(TUESDAY)

Registers :- SISO, SIPO

WEEK 5,DAY 3 ,DATE :31/01/2018(WEDNESDAY)

Holiday on account of Guru Ravi Dass Jayanti

WEEK 5 ,DAY 4 ,DATE :01/02/2018(THURSDAY)

Continue - - - SISO, SIPO.

WEEK 5, DAY 5, DATE :02/02/2018(FRIDAY)
D and T Type f/f - Continue ---- Revision.
WEEK 5, DAY 6, DATE :03/02/2018(SATURDAY)
PISO , PIPO (Registers)
WEEK 6
ASSIGNMENT:
WEEK 6, DAY 1, DATE :05/02/2018(MONDAY)
Difference between SISO, PISO, SIPO, PIPO
WEEK 6, DAY 2, DATE :06/02/2018(TUESDAY)
Presentation :- Complete F/f.
WEEK 6, DAY 3, DATE :07/02/2018(WEDNESDAY)
Shift Registers
WEEK 6, DAY 4, DATE :08/02/2018(THURSDAY)
Continue ----
WEEK 6, DAY 5, DATE :09/02/2018(FRIDAY)

Continue

WEEK 6 ,DAY 6 ,DATE :10/02/2018(SATURDAY)

Holiday on account of Maharshi Dayanand Saraswati Jayanti.

WEEK 7

ASSIGNMENT:

WEEK 7,DAY 1 ,DATE :12/02/2018(MONDAY)

Continue

WEEK 7 ,DAY 2 ,DATE :13/02/2018(TUESDAY)

Holiday on account of Maha Shivaratri.

WEEK 7,DAY 3 ,DATE :14/02/2018(WEDNESDAY)

Revision of Registers

WEEK 7 ,DAY 4 ,DATE :15/02/2018(THURSDAY)

Introduction to Counters. and
characteristics.

WEEK 7,DAY 5 ,DATE :16/02/2018(FRIDAY)

Asynchronous Counters and Creation
Using J-K F/F.

WEEK 7,DAY 6 ,DATE :17/02/2018(SATURDAY)

Continue ...

WEEK 8

ASSIGNMENT:

WEEK 8, DAY 1, DATE : 19/02/2018 (MONDAY)

Synchronous Counters and Characteristics

WEEK 8, DAY 2, DATE : 20/02/2018 (TUESDAY)

Difference b/w synchronous and
Asynchronous Counters.

WEEK 8, DAY 3, DATE : 21/02/2018 (WEDNESDAY)

Test: Counters.

WEEK 8, DAY 4, DATE : 22/02/2018 (THURSDAY)

Introduction to Binary Counters.

WEEK 8, DAY 5, DATE : 23/02/2018 (FRIDAY)

Modulo - N Counter.

WEEK 8, DAY 6, DATE : 24/02/2018 (SATURDAY)

Continue ...

WEEK 9

ASSIGNMENT:

WEEK 9, DAY 1, DATE :26/02/2018(MONDAY)

UP-Down Counter,

WEEK 9, DAY 2, DATE :27/02/2018(TUESDAY)

Continue

WEEK 9, DAY 3, DATE :28/02/2018(WEDNESDAY)

VACATION -II

WEEK 9, DAY 4, DATE :01/03/2018(THURSDAY)

VACATION -II

WEEK 9, DAY 5, DATE :02/03/2018(FRIDAY)

VACATION -II

WEEK 9, DAY 6, DATE :03/03/2018(SATURDAY)

VACATION -II

WEEK 10

ASSIGNMENT:

WEEK 10, DAY 1, DATE :05/03/2018(MONDAY)

I/O Devices .

WEEK 10, DAY 2, DATE :06/03/2018(TUESDAY)

Basic Concepts of Memory, and
Memory Hierarchy.

WEEK 10, DAY 3, DATE :07/03/2018(WEDNESDAY)

Memory Devices.

WEEK 10, DAY 4, DATE :08/03/2018(THURSDAY)

Continue - - - -

WEEK 10, DAY 5, DATE :09/03/2018(FRIDAY)

Continue - - - -

WEEK 10, DAY 6, DATE :10/03/2018(SATURDAY)

1 Assignment : I/O Devices
1 Test : Memory Devices.

WEEK 11

ASSIGNMENT:

WEEK 11, DAY 1, DATE :12/03/2018(MONDAY)

Flash Memory : Advantages of
Flash Memory.

WEEK 11, DAY 2, DATE :13/03/2018(TUESDAY)

Revision : Memory Devices

Revision

WEEK 11, DAY 3, DATE :14/03/2018(WEDNESDAY)

I/O Controller

WEEK 11, DAY 4, DATE :15/03/2018(THURSDAY)

Continue

WEEK 11, DAY 5, DATE :16/03/2018(FRIDAY)

Presentation : Master-Slave and
D-Flip-Flop.

WEEK 11, DAY 6, DATE :17/03/2018(SATURDAY)

Continue

WEEK 12

ASSIGNMENT:

WEEK 12, DAY 1, DATE :19/03/2018(MONDAY)

Instruction Design and I/O
Organization.

WEEK 12, DAY 2, DATE :20/03/2018(TUESDAY)

Continue

WEEK 12, DAY 3, DATE :21/03/2018(WEDNESDAY)

Machine Instruction: Basic Introduction
of Assembly, Binary Concepts.

WEEK 12, DAY 4, DATE :22/03/2018(THURSDAY)

Instruction set.

WEEK 12, DAY 5, DATE :23/03/2018(FRIDAY)

Holiday on account of Shahidi diwas.

WEEK 12, DAY 6, DATE :24/03/2018(SATURDAY)

Continue - - -

WEEK 13

ASSIGNMENT:

WEEK 13, DAY 1, DATE :26/03/2018(MONDAY)

Instruction cycle.

WEEK 13, DAY 2, DATE :27/03/2018(TUESDAY)

Test: Magnetic Storage Devices.

WEEK 13, DAY 3, DATE :28/03/2018(WEDNESDAY)

Addressing Modes : Introduction.

WEEK 13, DAY 4, DATE : 29/03/2018 (THURSDAY)

Holiday on account of Mahavir jayanti.

WEEK 13, DAY 5, DATE : 30/03/2018 (FRIDAY)

Types of Addressing Modes.

WEEK 13, DAY 6, DATE : 31/03/2018 (SATURDAY)

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WEEK 14

ASSIGNMENT:

WEEK 14, DAY 1, DATE : 02/04/2018 (MONDAY)

Continue ---

WEEK 14, DAY 2, DATE : 03/04/2018 (TUESDAY)

I/O Interface and Interrupt Structure.

WEEK 14, DAY 3, DATE : 04/04/2018 (WEDNESDAY)

Continue ---

WEEK 14, DAY 4, DATE :05/04/2018(THURSDAY)

Continue ---

WEEK 14, DAY 5, DATE :06/04/2018(FRIDAY)

Revision on Addressing modes

WEEK 14, DAY 6, DATE :07/04/2018(SATURDAY)

Continue ---

WEEK 15

ASSIGNMENT:

WEEK 15, DAY 1, DATE :09/04/2018(MONDAY)

Optical Storage Devices - Re Discuss

WEEK 15, DAY 2, DATE :10/04/2018(TUESDAY)

Continue ---

WEEK 15, DAY 3, DATE :11/04/2018(WEDNESDAY)

Assignment : Synchronous and Asynchronous Counters

WEEK 15, DAY 4, DATE :12/04/2018(THURSDAY)

Test : I/O Devices and Controllers.

WEEK 15, DAY 5, DATE :13/04/2018(FRIDAY)

Programmed, Controlled and Interrupt Controlled I/O.

WEEK 15, DAY 6, DATE :14/04/2018(SATURDAY)

Holiday on account of Vaisakhi & Dr B.R. Ambedkar's Jayanti.

WEEK 16

ASSIGNMENT:

WEEK 16, DAY 1, DATE :16/04/2018(MONDAY)

DMA Transfer, IOP and I/O Channels.

WEEK 16, DAY 2, DATE :17/04/2018(TUESDAY)

Revision - -

WEEK 16, DAY 3, DATE :18/04/2018(WEDNESDAY)

Holiday on account of Maharshi Pasuram Jayanti

WEEK 16, DAY 4, DATE :19/04/2018(THURSDAY)

Revision - -

WEEK 16, DAY 5, DATE :20/04/2018(FRIDAY)

Revision - -

WEEK 16, DAY 6, DATE :21/04/2018(SATURDAY)

Doubts taken from students

WEEK 17

ASSIGNMENT:

WEEK 17, DAY 1, DATE :23/04/2018(MONDAY)

Revision - -

WEEK 17, DAY 2, DATE :24/04/2018(TUESDAY)

Continue - -

WEEK 17, DAY 3, DATE :25/04/2018(WEDNESDAY)

Revision - -

Holiday on account of Maharshi Pasuram Jayanti

WEEK 16, DAY 4, DATE :19/04/2018(THURSDAY)

Revision - -

WEEK 16, DAY 5, DATE :20/04/2018(FRIDAY)

Revision - -

WEEK 16, DAY 6, DATE :21/04/2018(SATURDAY)

Doubts taken from students

WEEK 17

ASSIGNMENT:

WEEK 17, DAY 1, DATE :23/04/2018(MONDAY)

Revision Continue - -

WEEK 17, DAY 2, DATE :24/04/2018(TUESDAY)

Continue - -

WEEK 17, DAY 3, DATE :25/04/2018(WEDNESDAY)

Revision - -

WEEK 17, DAY 4, DATE :26/04/2018(THURSDAY)

Revision - -

WEEK 17, DAY 5, DATE :27/04/2018(FRIDAY)

Revision - -

WEEK 17, DAY 6, DATE :28/04/2018(SATURDAY)

Revision - -

WEEK 18

ASSIGNMENT:

WEEK 18, DAY 1, DATE :30/04/2018(MONDAY)

Doubts taken from students

Shreeff