DVOC
Subject : Digital Electronics

Time : 2 Hrs.   M.M. : 50

SECTION-A

Note: Very short questions. Attempt all ten questions.
(10x1=10)

Q.1   Logic gate XNOR

Q.2   Logic gate NOT

Q.3   SR Flip Flop

Q.4   LCD

Q.5   De-Morgan's Law

Q.6   Encoder

Q.7   Multiplexer

Q.8   ROM

Q.9   SSI

Q.10 Shift Register

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions.   (6x5=30)

Q.11 Explain the logical diagram of full adder with the help of truth table.

Q.12 Explain the application of Linear ICS

Q.13 Explain the working of demultiplexer ckt.

Q.14 Explain the concept of latches

Q.15 Explain the JK Flip Flop and D Flip Flop

Q.16 What are applications of Digital ICs

Q.17 Write a note on VLSI

Q.18 Write a note on Subtractors

SECTION-C

Note: Long answer questions. Attempt any one questions out of two questions.   (1x10=10)

Q.19 Explain in brief various types of logic gates

Q.20 Explain counters and types of counters