

SECTION-B

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

Q.11 Explain the operation of RAM.

Q.12 Explain NOR gate as universal gate.

Q.13 Explain SR flip flop.

Q.14 Differentiate between Latch and Flip Flop.

Q.15 Draw truth table of JK Flip flop and XOR gate.

Q.16 Write a brief note on MSI and LSI,

Q.17 Write a note on LCD.

Q.18 Explain full adder circuit.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

Q.19 Explain types of Shift Registers.

Q.20 Explain any 4 Logic gates.

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**(Medical Imaging Tech., SD
DVOC (Level 4) Sem II
Subject : Digital Electronics**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very Short answer type questions. Attempt all ten questions (10x1=10)

Q.1 SR Latch consists of _____ inputs.

Q.2 A full adder circuit has _____ outputs.

Q.3 The NOR gate is OR gate is followed by _____ gate.

Q.4 Shift Register is a combination of _____.

Q.5 $A + A = \text{_____}$.

Q.6 What is LED.

Q.7 What is Digital IC.

Q.8 What is Truth Table.

Q.9 What is ROM.

Q.10 what is SSI.