

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

Q.11 Explain Demorgan's Law

Q.12 Draw symbol and truth table of XNOR

Q.13 Write a note on 7 segment display.

Q.14 Write a note on De-multiplexer.

Q.15 Compare Analog and Digital system

Q.16 Explain the working of JK Flip flop with truth table.

Q.17 Explain the logical diagram of D flip flop

Q.18 Explain 8:3 Encoder and draw.

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. $(10 \times 1 = 10)$

Q.19 Explain various Arithmetic Circuits

Q.20 Explain counters and its types.

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DVOC (Level 4)

Sem 2nd / Medical Imaging Tech., SD

Subject : Digital Electronics

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions . Attempt all ten question $(10 \times 1 = 10)$

Q.1 What is Latch

Q.2 What is Decoder

Q.3 What is LCD

Q.4 Draw symbol of NOR gate

Q.5 What is synchronous counter.

Q.6 What is substracter.

Q.7 What is flip flop

Q.8 What are linear ICS

Q.9 Define Associative Law

Q.10 Define Clock

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