

SECTION B

2. Complete the following table:

Hexadecimal	Decimal	Octal	Binary
?	?	?	100000110
?	?	602	?
?	173.5	?	?
CF3	?	?	?

3. a) Use two 2-4 line decoders to make a 3-8 line decoder and explain its working.
b) Explain the working of T flip-flop and D flip-flop.
4. Draw and explain the working of 4-bit binary adder-subtractor.
5. Discuss 555 timer as Monostable and Multivibrator.
6. What are Up-Down Counters? Explain the working of any Up-Down counter.
7. Explain how a master-slave J-K Flip-Flop can avoid race condition?