Fig. Q6 (c)

1 of 2

rks)

7 a. Explain the working of a 3-bit DAC using R-2R ladder network.

(08 Marks) (04 Marks)

b. What are the specifications of a DAC?

(08 Marks)

Sketch the output V₀ of the following comparator circuits.

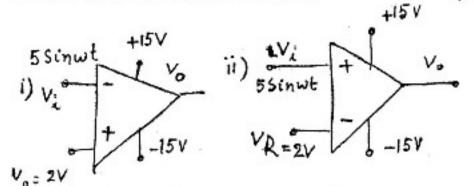


Fig. Q7 (c)

8 a. Give pin configuration of timer IC 555.

(05 Marks)

 Explain the working of a stable multivibrator using timer IC 555 and derive expression for time period (T)/ frequency of oscillation. (15 Marks)
