Solve two of the following questions correctly to receive the full score for today’s quiz:

1.) Write your month of birth as integer (e.g., May = 5); then write your month of birth as a byte (e.g., 5 = 0000 0101). Then add a single even parity bit for this number and clearly indicate the bit you’ve added.

2.) For a TMR system, where the three replicated components have outputs 5, 7, and 5, what will be the output of the voter?

3.) For “error”, “failure”, and “fault”, clearly indicate their dependencies (hint: there should be two arrows between these three terms):