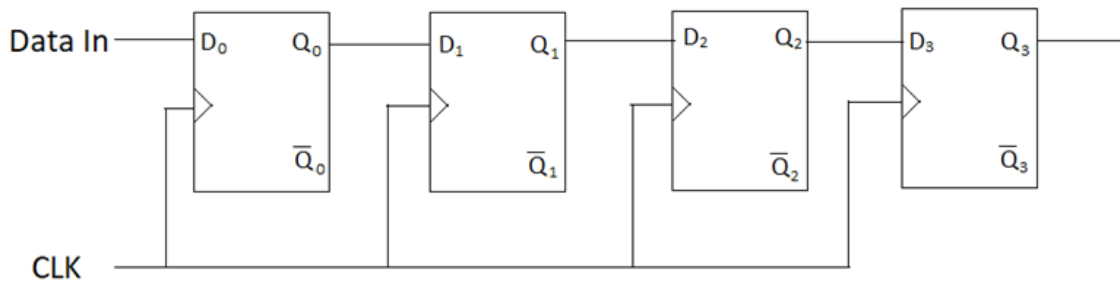


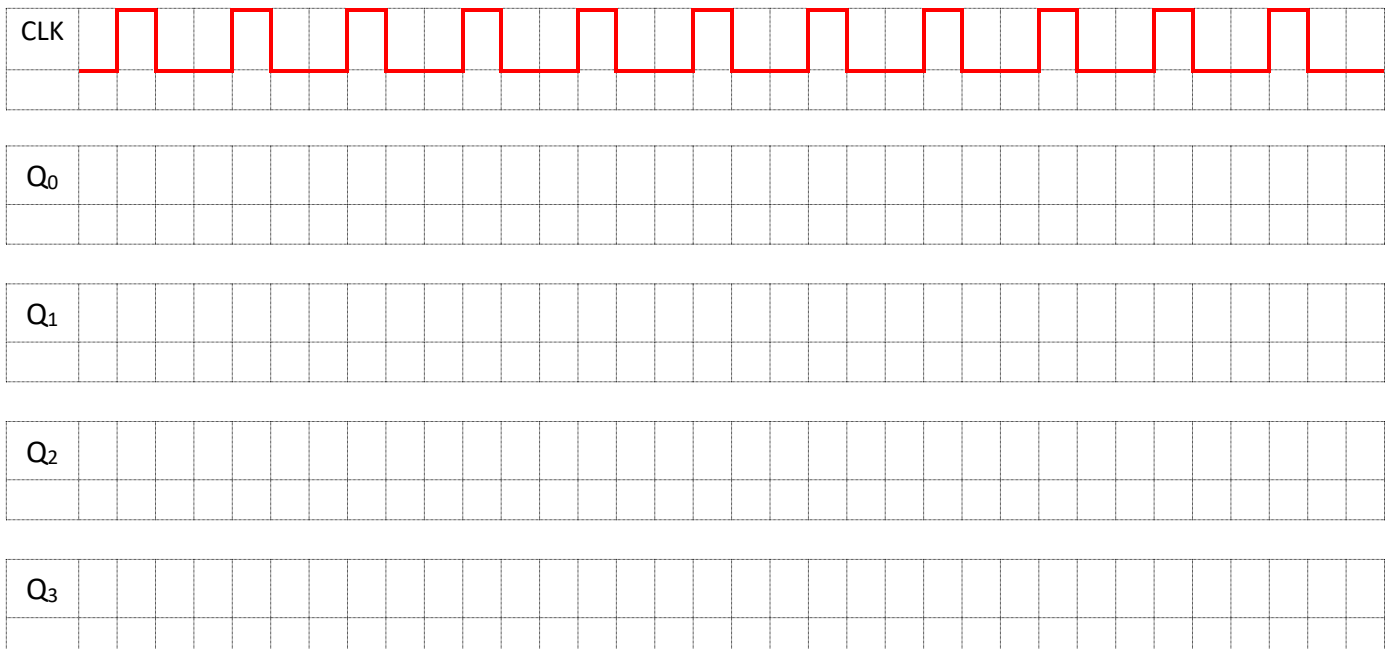
Introduction to Digital Computing

Homework 8 - Shift Registers

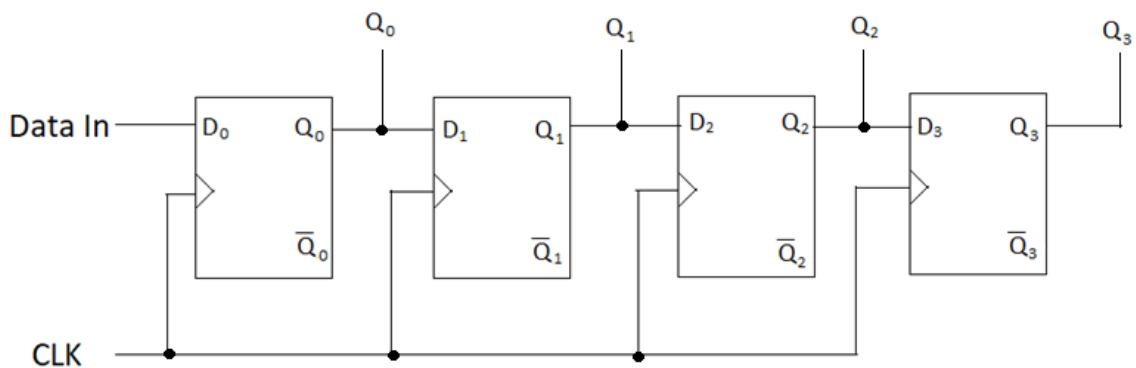
Question 1) For the following shift register, if the input data is 11001011_2 ,



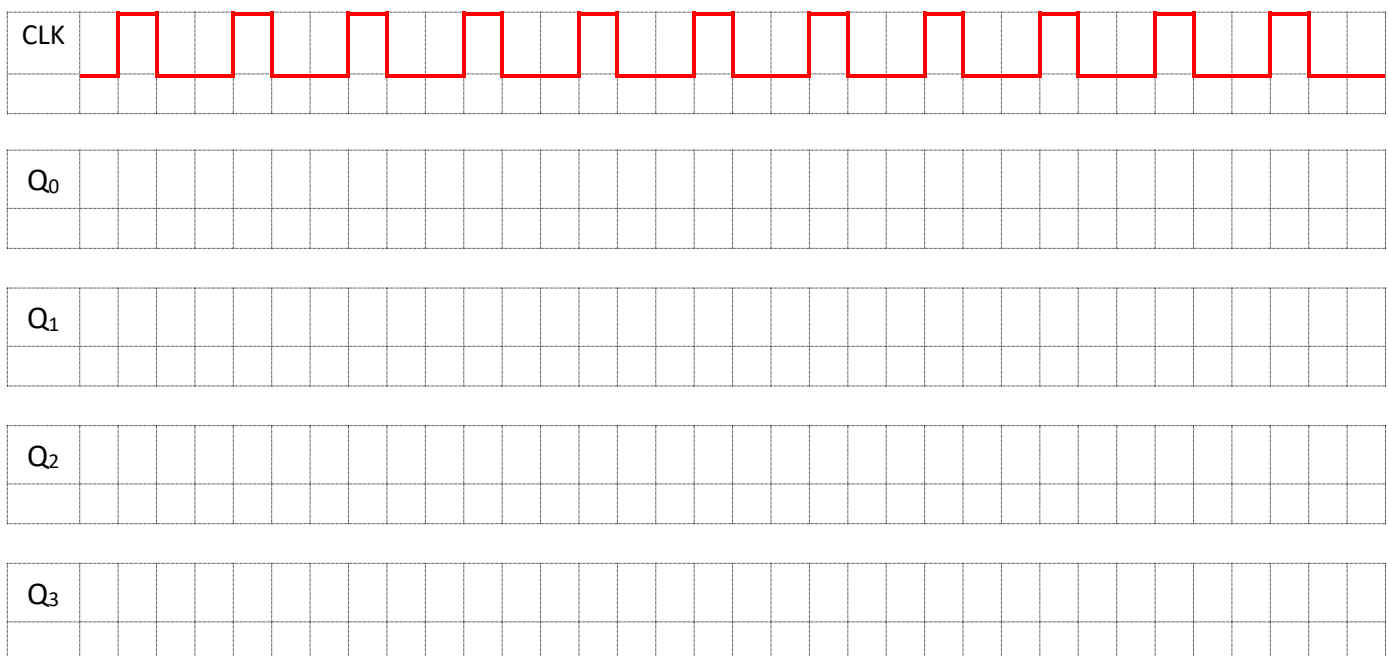
What would be the output data, Q_3 , at the tenth pulse? (Show work) _____



Question 2) For the following shift register, if the input data is 110111001_2 ,



What would be the output data at the sixth pulse? Q_3 ____ Q_2 ____ Q_1 ____ Q_0 ____



Question 3) Technical writing practice

Imagine that you have to write a letter to the chairperson of the Engineering Technology Department about the technical difficulties you have to face with online learning. In the letter, write the points, in order of importance starting with the most important, that describe the need to create new technologies and / or methods to improve student online learning.
