CT-1

You need to be alert to (usually minor) changes that may be made to the assignment statement or to the guidelines after the assignment is first put up. Refresh this frame and re-read the assignment carefully before you make your final submission.

Q1

Let A be an n-bit 2's complement binary number. Show that the binary addition $A + A$ is equivalent to a single left shift on A (with 0 entering the LSB).

Marking guidelines

Assignment marking is to be done only **after** the deadline expires, as submissions gets blocked after the assignment is marked. Enter the breakup of marks while marking.

Q1	
Correct approach	**7**
Overall correctness	**3**
Total Marks	***10***

Submission

Size controlled scan of neat hand written answer uploaded as PDF file.

Use electronic submission via the WBCM link

You should keep submitting your incomplete assignment from time to time after making some progress, as you can submit any number of times before the deadline expires. **You should submit all your files together**.

Warning

Cases of copying will be dealt with seriously and severely, with recommendation to the Dean to de-register the student from the course.