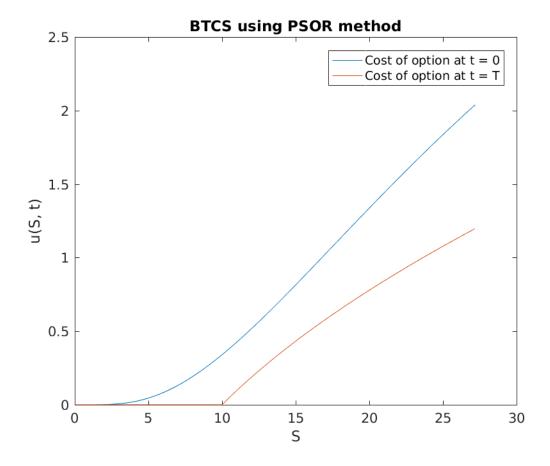
Assignment-7 and 8

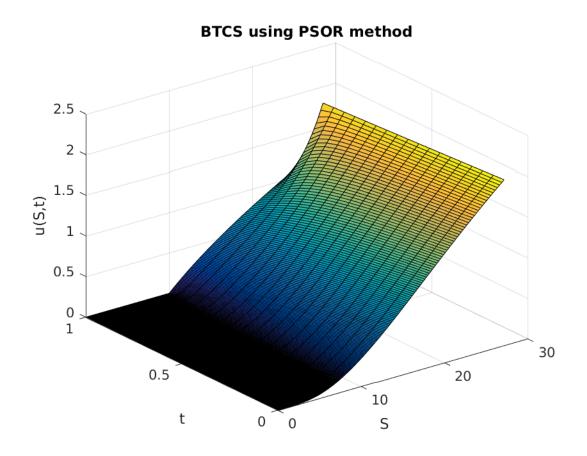
Abheek Ghosh 140123047

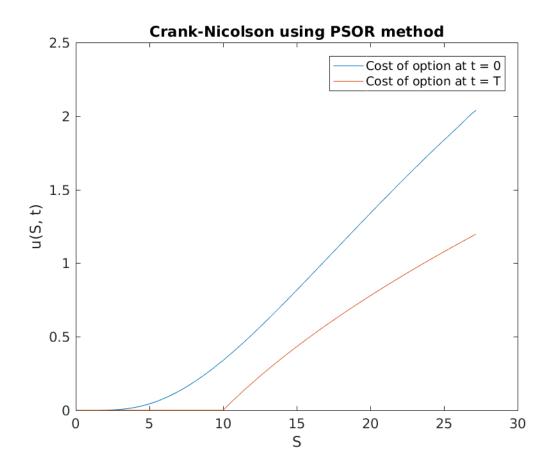
March 14, 2018

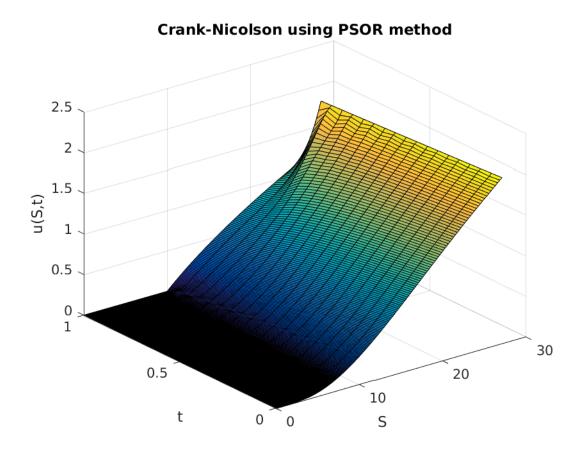
For extreme values of S (or x) the error in the plots is mainly due to the error in computing the boundary condition because we don't have $x = \infty$ and $-\infty$ as required. Our x has a small range -5 to 1.

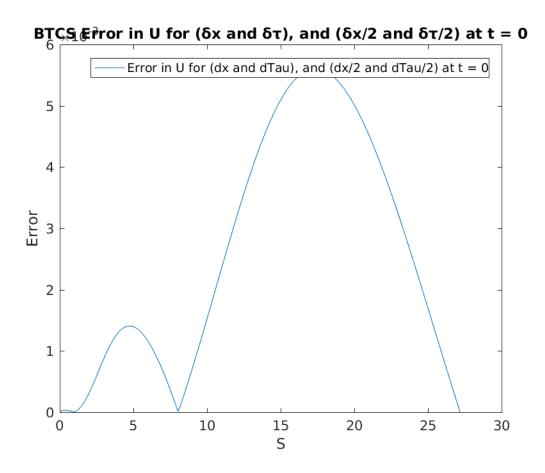
Question 1

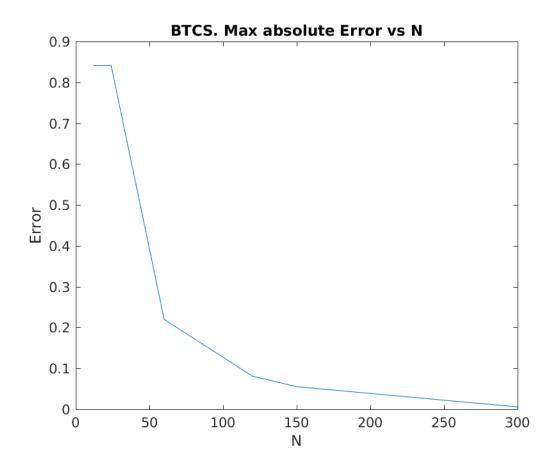


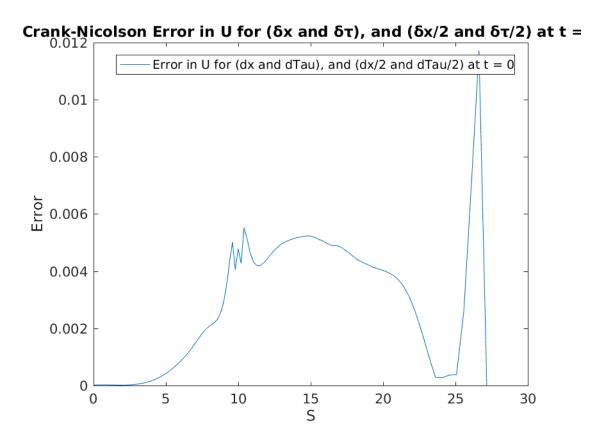


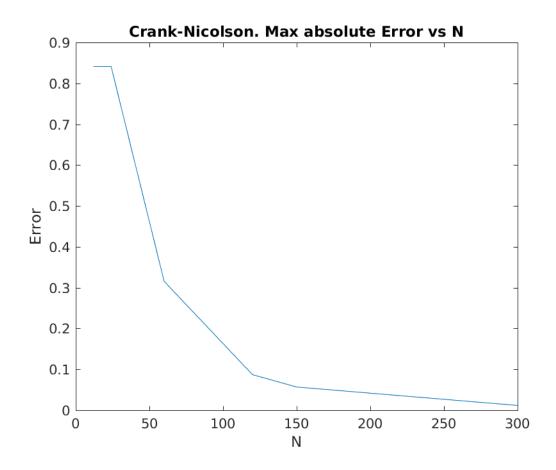




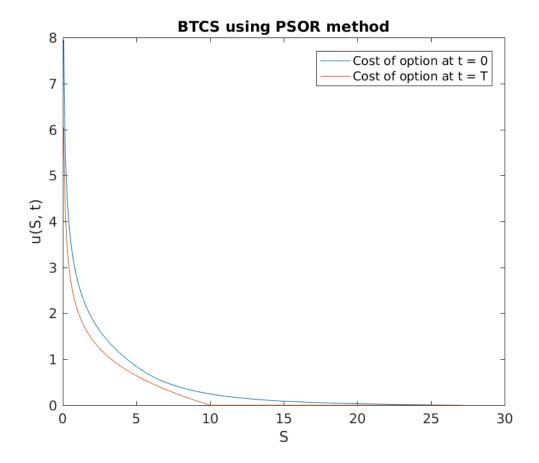


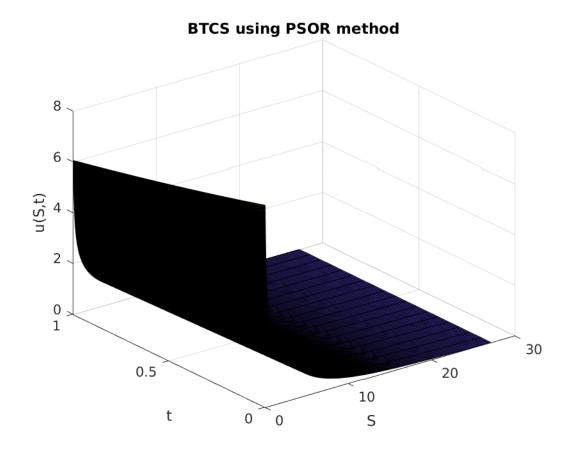


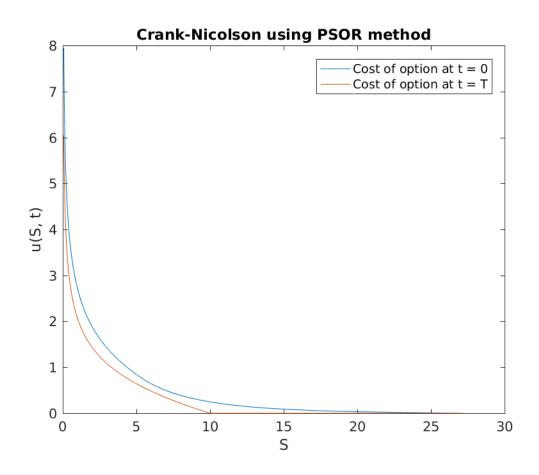


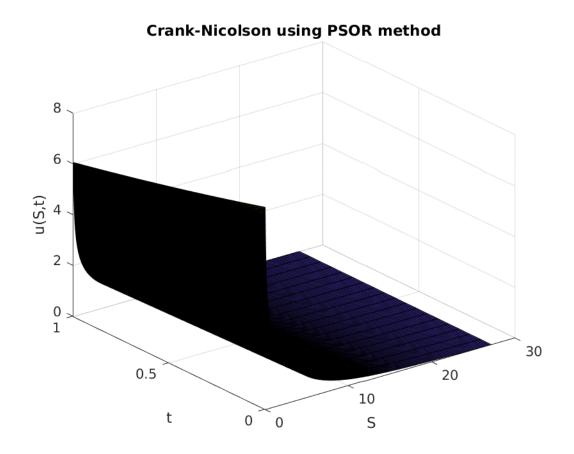


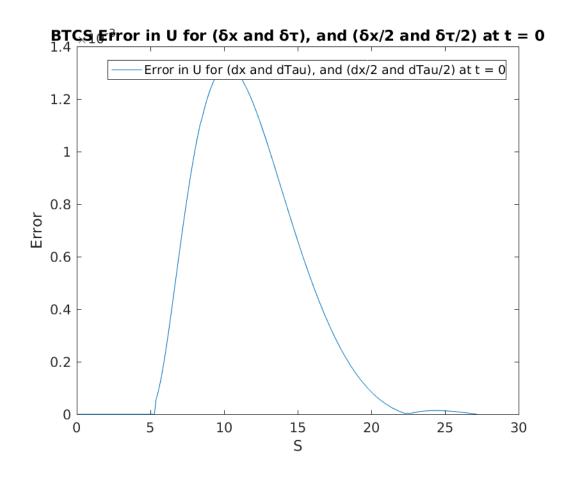
Question 2

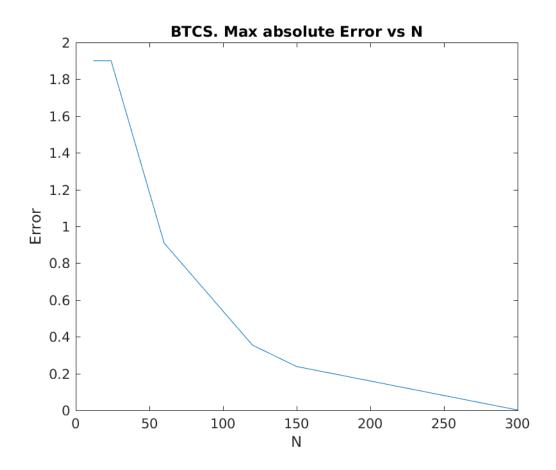


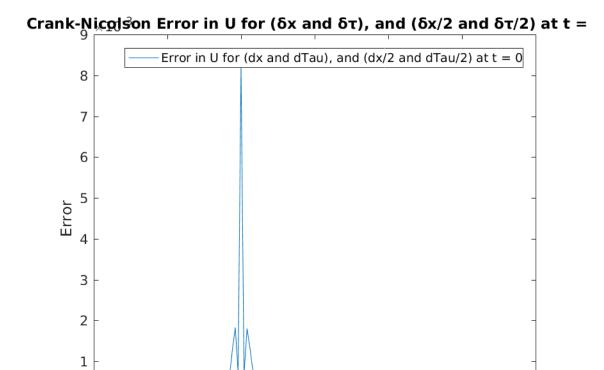












S

0 0

