My Today's Paper of CS701-Theory of Computation:

Total 4 Questions Each of 15 marks:

1) Graphs G and H are called isomorphic if the nodes of G may be reordered so

that it is identical to H. Let ISO = {<G, H> | G and H are isomorphic graphs}. Show  
that ISO∈NP.

2) Consider the following generalized geography game wherein the start node is the

one with the arrow pointing in form nowhere. Does Player I have a winning  
strategy? Does Player II? Give reasons for your answers.

3) Third Relating to CNF

My Cs701 paper 02-03-17  
Q1: NAT-SAT is NPC prove by 3SAT reduction. NAT stands for Not-all-True  
Q2: DOUBLE-SAT is NPC reduce 3SAT to it.  
Q3: Alba is PSPACE-C prove  
Q4: STRONGLY-CONNECTED graph is NL-C

quite easy paper.