1. What does the membrane provide in membrane Computing
2. List the applications of Quantum computing
3. Identify whether Tower of Hanoi is tractable or intractable. Justify your answer
4. Show that the following problem is undecidable. Given two CFGs G1 and G2,

is L(G1) ∩ L(G2) = ∅

1. If L1 and L2 are two recursive languages and if L is defines as L={w|w is in L1

and not in L2 and not in L1}. Infer that L is recursive.

1. Explain Quantum super positioning , Quantum Entanglement and Quantum

Teleportation

1. Explain the advantages of DNA computing and illustrate the three operation of

DNA computing. Also list the applications of DNA computing

1. Compare recursive and recursively enumerable languages

Is the set of all recursively enumerable languages, a subset of set of all

recursive languages? GATE CSE 2018