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| CSE 433(Artificial Intelligence)  Term Test # 1 | | |
| Time: 30minutes | Answer all the questions below | Total Marks: 15 |

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| **1.** | What does physical symbol system hypothesis state? | 2 |
| **2.** | When can we say an AI agent an Expert System? Give an example of Expert System. | 3 |
| **3.** | What are the main challenges to solve AI problems? | 2 |
| **4.** | How to define a problem as State Space Search problem? | 2 |
| **5.** | What is Control Strategy? Which one is better, BFS or DFS in terms of memory requirement? | 3 |
| **6.** | What is combinatorial explosion? | 1 |
| **7.** | Define Knowledge base and Data base for AI techniques? | 2 |

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