Maharaja Agrasen Institute of Technology
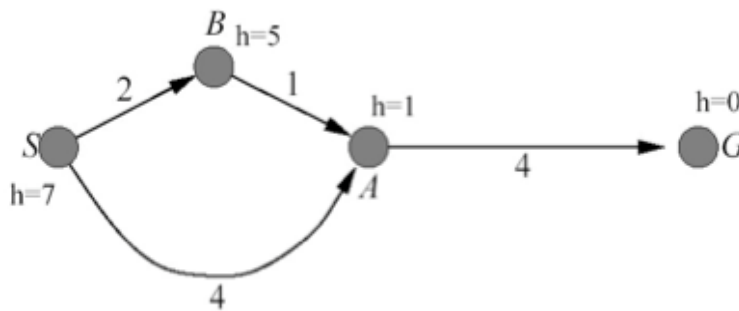## Department of Computer Science and Engineering
Artificial Intelligence Assignment#1 (Unit-1)

Q.No	Questions	Marks	CO(s)
Q1.	Define different approaches of AI. What does Turing test say?	3	1
Q2.	Differentiate between Uninformed and Informed Search techniques with the help of examples.	3	1
Q3.	Explain heuristic search? Explain Hill Climbing Problem with Heuristics and its limitations. In Best and Average case heuristic is better but in worst case heuristics can be bad. Justify.	3	1
Q4.	Consider $f(n) = g(n) + 5h(n)$. What is the order of nodes visited by the best-first search algorithm? (Start-node is S, no duplicate detection).	3	1

Q5.	What do you mean by Constraint Satisfaction Problems? Solve the following cryptographic puzzle using the Constraint Satisfaction procedure:	3	1

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          S   U   N
 +    M    O   O   N
 ‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾‾
 P    L    U   T   O
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