

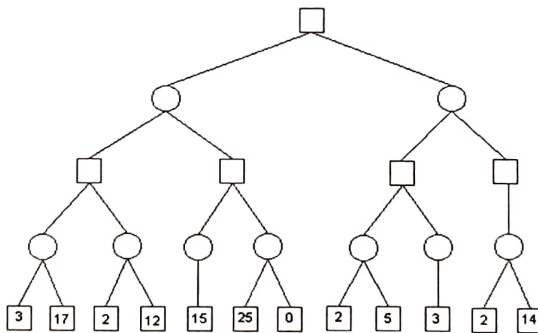
SET-I

SVKM'S NMIMS, Navi Mumbai
MID TERM – II Examination (2021-2022)
B.Tech. CSBS (Sem-VI)
SUB: Artificial Intelligence

Total Marks: 20

Duration: 45 Minutes

Sr. Question No.	Marks	CO
1 Differentiate: Simple vs. steepest-ascent hill climbing	2	CO2
2 Discuss the reason for failure of hill climbing approach.	2	CO2
3 What is local beam search? Explain with example.	2	CO2
4 Discuss advantages and limitations of minimax algorithm.	2	CO3
5 Write and explain the algorithm of simulated annealing.	4	CO2
6 Apply alpha beta pruning for the following minimax example.	4	CO3



7 Discuss techniques of knowledge representation in artificial intelligence.	4	CO3
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*Logic
Semantic
Frame
Production*