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Second Year Artificial Intelligence Question Paper

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SECTION 1: SUBJECTIVE (5 Questions, 1 Marks each)

Bloom's Taxonomy Level: 1

Topic: Advanced AI Topics

Subtopic: Alpha beta cutoffs

Q1: what (1 Marks)

Q2: Explain the concept of the alpha value in the alpha-beta algorithm. (1 Marks)

Q3: Describe the scenario in which a beta cutoff occurs during the alpha-beta search. (1 Marks)

Q4: How does the alpha-beta algorithm improve upon the minimax algorithm? (Focus on efficiency.)
(1 Marks)

Q5: Briefly explain the relationship between the alpha and beta values in determining a node's exploration. (1 Marks)