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**DR. MPS MEMORIAL COLLEGE OF BUSINESS STUDIES**

**SIKANDRA, AGRA**

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**QUESTION BANK**

**2022**

**Artificial Intelligence**

**BCA SEMESTER – 4**

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Q1: What is knowledge pyramid? Explain AI characteristics and components.

Q2. Explain problem representation in AI.

Q3. Explain the features and components of an expert system.

Q4. Explain search algorithms & their types.

Q5. Differentiate between BFS & DFS

Q6. What is heuristics? Explain Hill Climbing heuristic search.

Q7. Explain Best First Search.

Q8. Explain the difference between A\* and AO\* algorithm.

Q9. Explain components of NLP.

Q10. What do you understand by robotics? Explain its components.

Q11. What do you understand by formal and Augmented grammar?

Q12. What is disambiguation?