

**Q.1 Answer the following questions related to Data Science Fundamentals:**

- (a) What are the key differences between structured and unstructured data?
- (b) Explain the significance of data cleaning in analytics. Provide techniques.
- (c) Discuss the importance of feature engineering in predictive modeling.
- (d) What is the role of big data technologies in data science?
- (e) Explain how deep learning is applied in image recognition.

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