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**EC 8393 Fundamentals of Data Structures in C**

**Important 2mark questions**

**Unit I**

1. Write the basic structure of C programs.
2. What is a static variable? Give an example.
3. List the primary data types in C.

**Unit II**

1. Differentiate between structures and unions.
2. Define a pointer and initialize it.
3. Define Pre-processor directives and list out a few examples.

**Unit III**

1. What are the pros and cons of arrays and linked list?
2. What are the operations of a stack?
3. How an n-dimensional array is represented?

**Unit IV**

1. What is a tree and sub trees?
2. What is a graph and vertices?
3. Define binary search tree.

**Unit V**

1. How binary search works?
2. What is a overflow condition in hash table?
3. How to take care of an overflow problem in hashing?