

St. Mary's P.G. College Vidisha

Class Msc (CS)

Data Structure and Algorithm

- Q.1. What is an Abstract Data type (ADT)? Explain?
- Q.2. What is a Stack?
- Q.3. What are the two operations of Stack?
- Q.4. Write postfix form of the expression $-A+B-C+D$?
- Q.5. What is a Queue?
- Q.6. What is a Priority Queue?
- Q.7. What are the different ways to implement list?
- Q.8. What is a linked list?
- Q.9. What is a doubly linked list?
- Q.10. Name the three fields of Doubly Linked list?
- Q.11. Define double circularly linked list?
- Q.12. What is the need for the header?
- Q.13. List three examples that use linked list?
- Q.14. Give some examples for linear data structures?
- Q.15. How do you test for an empty queue?