DARJEELING POLYTECHNIC
2ND INTERNAL TEST

FM: 20   **DATA STRUCTURE**   TIME 45 MINS

A) ANSWER ANY FIVE QUESTIONS (5X2= 10)

1. Write down the definition of data structures.
2. Give few examples for data structures.
3. Define Algorithm.
4. State the importance of dynamic programming.
5. Define file structure.
6. What is Linear search?
7. Define Space Complexity.
8. Define Time Complexity.

B) ANSWER ANY TWO QUESTIONS (2X5= 10)

1. Explain in detail the steps involved in Top down Design
2. Write short notes on efficiency of an algorithm
3. Write short notes on analysis of an algorithm
4. Write an algorithm to compute the Fibonacci series for 'n' terms.