CPC ACM ICPC Training Class

Daffodil International University

Permanent Campus

(Solving Class Plan)

Mathematics & Number Theory

Class	Topic	Trainer
1	Series	Amir Sohel
2	Linear Algebra	Md. Almabud Juwal
3	GCD-LCM & NOD-SOD	Fahim Abrar
4	Combinatorics	Md. Razibul Hasan Mithu
5	Probability & Expectation	Rijoanul Hasan
6	Modular Exponentiation	Mohammad Shakil Mahmud
7	Euler's Totient Function	Fahim Abrar
8	Euclidean algorithms	Md. Almabud Juwal
9	Prime number	Mohammad Shakil Mahmud
10	Sieve of Eratosthenes	Md. Razibul Hasan Mithu
11	Bitwise Sieve of Eratosthenes	Rijoanul Hasan
12	Segmented Sieve	Md. Razibul Hasan Mithu

Data Structure

13	Array (Advance Operations)	Mohammad Shakil Mahmud
14	Linked List	Md. Razibul Hasan Mithu
15	Stack	Amir Sohel
16	Queue	Md. Almabud Juwal
17	Tree	Mohammad Shakil Mahmud
18	Graph	Rijoanul Hasan

Sorting

19	Bubble sort	Md. Almabud Juwal
20	Insertion sort	Rijoanul Hasan
21	Selection sort	Amir Sohel
22	Counting sort	Fahim Abrar
23	Merge sort	Mohammad Shakil Mahmud
24	Quick sort	Md. Razibul Hasan Mithu

Searching

25	Linear Search	Md. Razibul Hasan Mithu
26	Binary Search	Md. Almabud Juwal
27	Ternary Search	Fahim Abrar
28	Backtracking	Rijoanul Hasan

Organized by

ACM ICPC Team

Computer and Programming Club

Daffodil International University

Permanent Campus