

✓ Expectation

→ Different from your normal classes (multiple classes in a week)

→ 23 May - 5 June (2 w)

Schedule [Manas - Theory Classes | (Contests, Doubt class)]

All schedule is @ 9pm.

Week 1

✓ 23 May - Shortest Path ⇒ Make you fall in love with Graphs!

(black box)

• 24 May - Graph-I (Traves, Representation, Implementation)

← Assignment 1 →

• 26 May - BFS + Topological Sort (Impl.)

← Assignment 2 →

• 27 May - Doubt Class #1 (Extra Topics + Doubts of A1, A2)

• 28 May - Graph Contest #1 (2 hours, Squares)

← Upsolving →

• 29 May - Doubt Class - Graph Contest #1 (Extra Topics)

Week 2

30 May → DFS + Trees (Impl.)

← Assignment 3 →

1 June → MST + Dijkstra (Impl.)

← Assignment 4 →

3 June → Doubt Class #2 (Extra topics + Upsolving A3, A4)

4 June → Graph Contest #2 (All topics [2h])

5 June → Doubt Class : Graph + Extra Contest #2 topics

Topics Covered (in Detail)

Topics Covered (Extra Topics)

◦ BFS

◦ DFS

◦ Intro

◦ Shortest Path

- Topo Sort

◦ MST → Prim's

◦ Trees (Graph)

→ Introducing it briefly

→ Materials

→ Some ques

⑥ SCC ✓

⑥ Articulation Points

⑥ Bridges

⑥ Bellman Ford ✓

⑥ Euler Tour

⑥ Kruskal's (DSU)

~~⑥~~ Floyd Warshall (DP)

UP (Not covered)

⑥ Mo's Algo

⑥ HLD

⑥ Centroid Decomp.

} Adv. Topics