



COMSATS University Islamabad, Lahore Campus

Assignment #3 – SPRING 2023

Course Title:	Design and Analysis of Algorithms	Course Code:	CSC301	Credit Hours:	3
Course Instructor:	Dr. Hasan Jamal	Programme Name:	BCS		
Due Date:	29/05/2023	Maximum Marks:	10		

Important Instructions / Guidelines:

- Do show all intermediate steps while solving a question.
- Handwritten strictly. No printed assignment will be accepted.
- Maximum three persons per group are allowed for submission.
- No late submission allowed.

Question:

[Marks: 10]

CLO: < 3 >; Bloom Taxonomy Level: < Creating >

We have 3 assembly-lines in a car manufacturing factory each of which has 5 service stations. All the costs are shown in the figure below. Find out the fastest way through the factory using the “dynamic programming” approach.

