

POST GRADUATE GOVT. COLLEGE FOR GIRLS, SECTOR-11 CHANDIGARH
DEPARTMENT OF COMPUTER APPLICATIONS
WEEKLY TEACHING SCHEDULE (2019-20)

Teacher: Ms. Harpreet Kaur

Class: BCA-5th Sem

Subject: Discrete Mathematics

Date	Topic
29 th July - 3rd Aug	Relations and Functions : Set Notation and Description, subset, basic set operations,
5th - 10th Aug	Venn Diagrams, laws of set theory, partitions of sets, min sets, duality principle,
12th - 17th Aug	Basic definitions of relations and functions, graphics of relations
19th - 24th Aug	properties of relations: injective, surjective and bijective functions,
26th - 31st Aug	compositions
2nd - 7th Sept	Recurrence Relations and Recursive Algorithms – Linear-Recurrence Relations with Constant Coefficients;
9th -14th Sept	Homogeneous Solutions : Particular Solution, Total Solution,
16th - 21st Sept	Solution by the Method of Generating functions.
23rd -28th Sept	Graph Theory : Graph and planar graphs – Basic Terminology
30th - 5th Oct	Multi-graphs, Weighted Graphs, Paths and Circuits
7th -12th Oct	Shortest Paths, Eulerian Paths and Circuits.
14th - 19th Oct	Travelling Salesman Problem, Planar Graphs.
21st - 26th Oct	MID SEMESTER EXAMS
28th - 2nd Nov	Automata Theory : Finite State Machines–Equivalent Machines
4th - 9th Nov	Finite State Machines as language Recognizers
11th - 16th Nov	Analysis of Algorithms - Time Complexity, Complexity of Problems.
18th - 23rd Nov	REVISION TESTS

