

**POST GRADUATE GOVT. COLLEGE FOR GIRLS
SECTOR-11 CHANDIGARH
DEPARTMENT OF COMPUTER APPLICATIONS
WEEKLY TEACHING SCHEDULE (2016-17)**

Teacher Incharge: Ms. Harpreet Kaur
Subject: Discrete Mathematics
Class: BCAIII (EVEN)

S. No.	WEEK	TOPICS
1	19 th July to 23 rd July	Sets- Introduction and Notations, Subsets, Basic set operations, Venn Diagrams
2	25 th July to 30 th July	Laws of set theory, Partition of sets, Minsets Duality Principle, Maxsets
3	1 st August to 6 th August	Relations: Basic definitions of Relations and Functions
4	8 th August to 13 th August	Graphics of relation, Properties of Relation
5	16 th August to 20 th August	Functions- Injective, Surjective and Bijective
6	22 nd August to 27 th August	Compositions
7	29 th August to 3 rd September	Recurrence Relations and Recursive Algorithms
8	5 th September to 10 th September	Linear Recurrence Relation with Constant Coefficient Homogeneous Solution, Particular Solution, Total Solution
9	12 th September to 17 th September	Solution by the method of Generating Functions
10	19 th September to 24 th September	Algebra of Logic, Proposition of Logic Operations, Truth table and Propositions generated by the Set, Equivalence and Implication laws of logic
11	26 th September to 30 th September	Mathematical System, Propositions over a universe, mathematical induction, quantifiers