

Bhagwan Mahavir College of Engineering & Technology, Surat

Computer engineering (5th semester)

Analysis and designs of algorithm

Assignment-1

- 1). Explain mathematics for Algorithmic sets. Write different method for sets, types of sets, operations on sets.
- 2). Explain Cartesian product of two sets, cardinality of sets, sequence, tuple.
- 3). Explain function & relations.
- 4). Explain Equivalence relation, closures of relation, Linear inequalities.
- 5). what is linear equation? What is vector? Explain different types of vector.
- 6). Explain addition of two vector, multiplication of vector by scalar, dot product, length of vector, unit vector.
- 7). what is matrix? Explain different types of matrix. Explain matrix addition, subtraction, multiplication, matrix inversion, Commutative law.

Last Date to submit: 15/07/2017