Discrete Mathematics Structure 18/08/12021
Lecture 1 Manual
666ks
· Lipochutz (Text Book) · Kennoth H. Rosen (Reference)
Syllabos: della della della
1. Set Theory.
2. Functions. 3. Relations Midterm
3. Relations Midtern
4. Propositional Logic 5. Predicate Logic
6. GLEODA, Theory
Topic: Set Theory
Set is a collection of lobjects
order is irrelevant. A= \$1,2,3 July (1 a)a
$\frac{1}{2}$
a Named and Manager are bounded . A = 0
L Simon 7 but the property over 3 had love 11 4 1905 1
collection of elements are bounded of egual sets of A = B = 0
by (parantheols)
. That's any bunctions, have paranthesis,
(1'5) = (5'1)
$\{1,2\} = \{2,1\}$
N= Natural Number Set. = 80,1,2,8 3 or \$1,2,3 3
Depends
Z = {2, -1, 0, 1, 2 } (Negative - Positive integer & zero)
zt = f 1,2,3 3 (Positive integers)
Z= {-1,-2 } Negative integers
Q = Rational No . Plq

C = Complex Numbers.

- . Null Sct, Subscl, Proper Subset, Belongs to Property, Exclusion
- Inclusion Property.
 - · NEZCREC
 - Ф ⊆ A; Any Set, ⊆ U (Universal Set)

01. Find whether the following are True or False.

a. 81,23 = \$1,2,23

c. be \$1,2,23 F

d. d = {1,2,23 T

e. **b** e **b** F

b. d. E. o. Truc. ()

g. $\phi \in \{\phi\}$ Tove.

h. 0 5 7.03 True.