

**King Fahd University of Petroleum and Minerals**  
**Department of Mathematics and Statistics**  
**Math 232      Quiz 1 (Term 141)**

Name : ..... ID #..... Serial #: .....

**Question 1:** Let the set  $A = \{\phi, 3, N\}$ . Find the following:

- the cardinality of  $A$
- the powe set of  $A$

**Question 2:** Let  $A$  and  $B$  be two non-disjoint subsets of a universal set  $U$ . Define the following sets and draw their Venn Diagrams:

- $A \cup B$
- $A \cap \bar{B}$
- $\bar{A} - B$