FINALTERM EXAMINATION
Spring 2010
MTH202- Discrete Mathematics (Session - 2)

Question No: 1   (Marks: 1)   - Please choose one

If p = It is raining

   q = She will go to college

"It is raining and she will not go to college" will be denoted by

► $p \wedge \sim q$ **Correct.**

► $p \wedge q$

► $\sim (p \wedge q)$

► $\sim p \wedge q$

Question No: 2   (Marks: 1)   - Please choose one
In a directed graph of a Irreflexive relation, there should be

►Loop on a one point

►**No loop at any point (Page 89)**

►No point connected

Question No: 4   (Marks: 1)   - Please choose one
 How many functions are there from a set with three elements to a set with two elements?

► 6

► **8**

► 12

$n^m = 2^3 = 8$

Question No: 5   (Marks: 1)   - Please choose one
If a set contains exactly *m* distinct elements where *m* denotes some non negative integer then the set is.

► **Finite (Page 40)**

► Infinite

► None of these

Question No: 6   (Marks: 1)   - Please choose one
     Let f and g be the functions defined by