Online Homework Package Created by : Elsit and Satya Mandal		
Course Id :Math 105	Topics in Mathematics	Semester : Summer2017
Instructor :Satya Mandal Line No : 84895		
Homework No: 11	Total Points :50	Due Date:(YYYY-MM-DD) 2017-07-27

Question-1	Compute 5! (factorial 5).

Answer Question-1	This is a Numerical-Answer Type Question Factorial 5 is
Points	5.00

Question-2	Compute the number of permutations ${}_7P_2$ of 7 objects taken 2 at a time.

Answer Question-2	This is a Numerical-Answer Type Question ${}_7P_2$ =
Points	5.00

Question-3	Compute the number of combinations ${}_9C_3$ of 9 objects taken 3 at a time.

Answer Question-3	This is a Numerical-Answer Type Question ${}_9C_3$ =
Points	5.00

Question-4	Three scholarships (of DIFFERENT values) have to be given to 3 applicants out of a group of 23 applicants. How many possible ways you can select these awardees?

Answer Question-4	This is a Numerical-Answer Type Question Answer =
Points	5.00

Question-5	Three scholarships (of DIFFERENT values) have to be given to 3 applicants out of a group of 10 men and 13 women applicants. What is the probability that all the three winners will be women?

Answer Question-5	This is a Numerical-Answer Type Question P(all winners are women)=
Points	5.00

Question-6	Four scholarships of EQUAL value have to be given to 4 applicants out of a group of 27 applicants. How many possible ways can you select these 4 awardees?

Answer Question-6	This is a Numerical-Answer Type Question number of ways =
Points	5.00

Question-7	Four scholarships of EQUAL value have to be given to 4 applicants out of a group of 19 men and 8 women applicants. What is the probability that all the winners will bemen?

Answer Question-7	This is a Numerical-Answer Type Question Answer=
Points	5.00

Question-8	A soccer team of 11 players has to be selected from a group of 19 players. How many different teams are possible?

Answer Question-8	This is a Numerical-Answer Type Question number of such teams =
Points	5.00

Question-9	A committee of 4 has to be formed out of a group of 17 students. How many such committees are possible?

Answer Question-9	This is a Numerical-Answer Type Question Number of possible committees
Points	5.00

Question-10	A committee of 4 has to be formed out of a group of 13 men and 4 women. What is the probability that all the members will be men? .

Answer Question-10	This is a Numerical-Answer Type Question P(all members are men) =
Points	5.00

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