SRM UNIVERSITY

Career Guidance Cell WORK SHEET II

(PERMUTATION & COMBINATION, PROBABILITY, DATA SUFFICIENCY)

1.	How many o	different number	s greater than th	ree lakhs can be formed out of the digits 111223?
(A)	60	(B) 10	(C) 120	(D) 720
2.	How many	100	1181 -81	ters of the word "PATALIPUTRA" without changing
		the vowels and		
(A)	3600	(B) 3900	(C) 6300	(D) 4600
3.		(47 - 142)	The state of the s	eated in a row so that boys and girls are alternate?
(A)	576	(B) 5040	(C) 40320	(D) 1152
4.			3.50.50	nd 3000 that can be formed with the digits 0,1,2,3,4
		g repeated in an		
(A) 9		(B) 120	(C) 160	(D) 180
				ollinear. Find the number of triangles formed by
	oints as vertice			(i), while the same of the sam
(A) 18		(B) 210	(C) 220	(D) 175
6. There are seven questions in a question paper. In how many ways can a student solve one or more				
quest				
(A) 12		(B) 63	(C) 127	(D) 129
7. Five Matches are to be played in a chess tournament. In how many ways can their results be				
decid		100.0		
(A) 2	43	(B) 343	(C)128	(D) none of these
8. On a New Year day every student of a class sends a card to every other student. The postman delivers				
		ny students are t		
(A) 22		(B) 23	(C) 24	(D) 33
9. Find the sum of all numbers that can be formed with the digits 2,3,4,5 taken all at a time?				
(A) 92234		(B) 92334	(C) 93324	(D)92 334
10. In how many ways the letters of the word PARALLEL be arranged so that all the L's do not come				
toget	ner?			a printed and at the moves of the visiting of
(A)20	00	(B) 2100	(C) 3220	(D) 3000
11. H	ow many differ	ent signals can b	e made by hosti	ng 6 differently coloured flags one above the other,
when	any number o	f them may be h	oisted at one tim	e?
(A) 6!		$(B)6(6P_6)$	(C) 1956	(D) 1440
12 .If	the letters of t	he word CHASM	are rearranged t	o form 5 letter words such that none of the word
repea	t and the resul	ts arranged in as	cending order as	in a dictionary what is the rank of the word
CHAS	M?			
(A) 24		(B)31	(C)32	(D) 30
1100	o 1 H			, D
13.	-und The	number	- of dea	igonals in a regular hereag
14.				1