

JEE ADVANCED SUPER 25 REVISION SERIES

PERMUTATIONS AND COMBINATIONS

Download Doubtnut Today

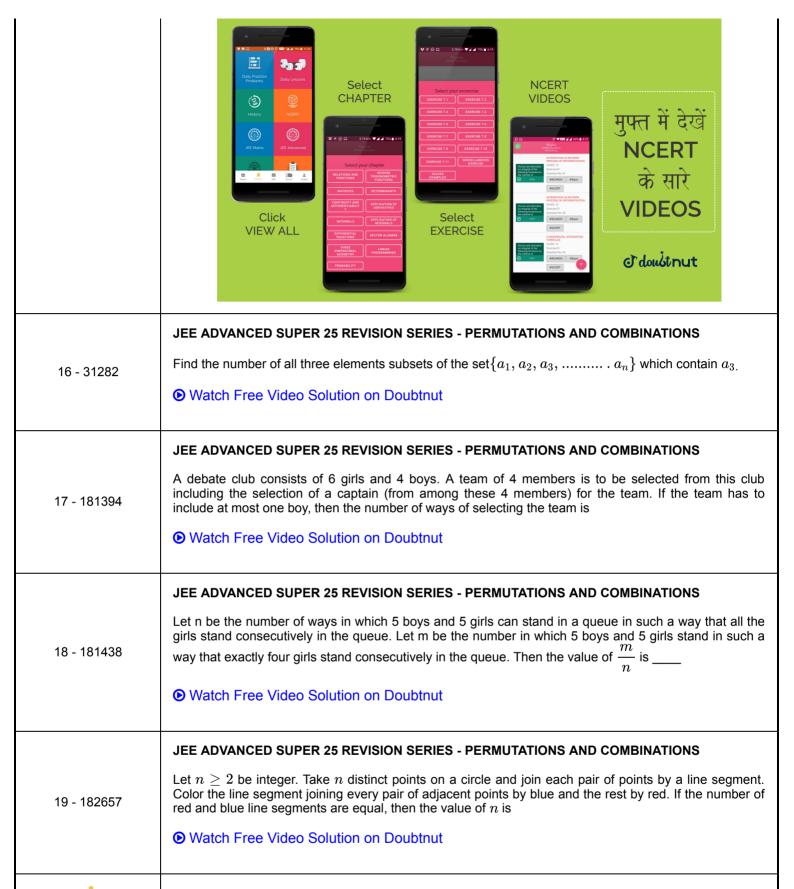
Ques No.	Question
1 - 23513	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	Word of length 10 are formed using the letters A,B,C,D,E,F,G,H,I,J. Let x be the number of such word where no letter is repeated; and let y be the number of such words where exactly one letter is repeated twice and no other letter is repeated. The, $\frac{y}{9x}$
	Watch Free Video Solution on Doubtnut
2 - 30331	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	The number of triangles that can be formed with 10 points as vertices n of them being collinear, is 11 Then n is a. 3 b. 4 c. 5 d. 6
	Watch Free Video Solution on Doubtnut
3 - 30475	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	A box contains two white balls, three black balls, and four red balls. In how many ways can three ba be drawn from the box if at least one black ball is to be included in the draw?
	Watch Free Video Solution on Doubtnut
T doudt nut पढ़ना हुआ आसान	Get Answer just with a click! Co dowstrut has more than 1 Lakh Video Solutions Update the App now! Get Inone of aboves units What is nower such a processions Update the App now!
	Pote

haves exactly two common elements?

Watch Free Video Solution on Doubtnut

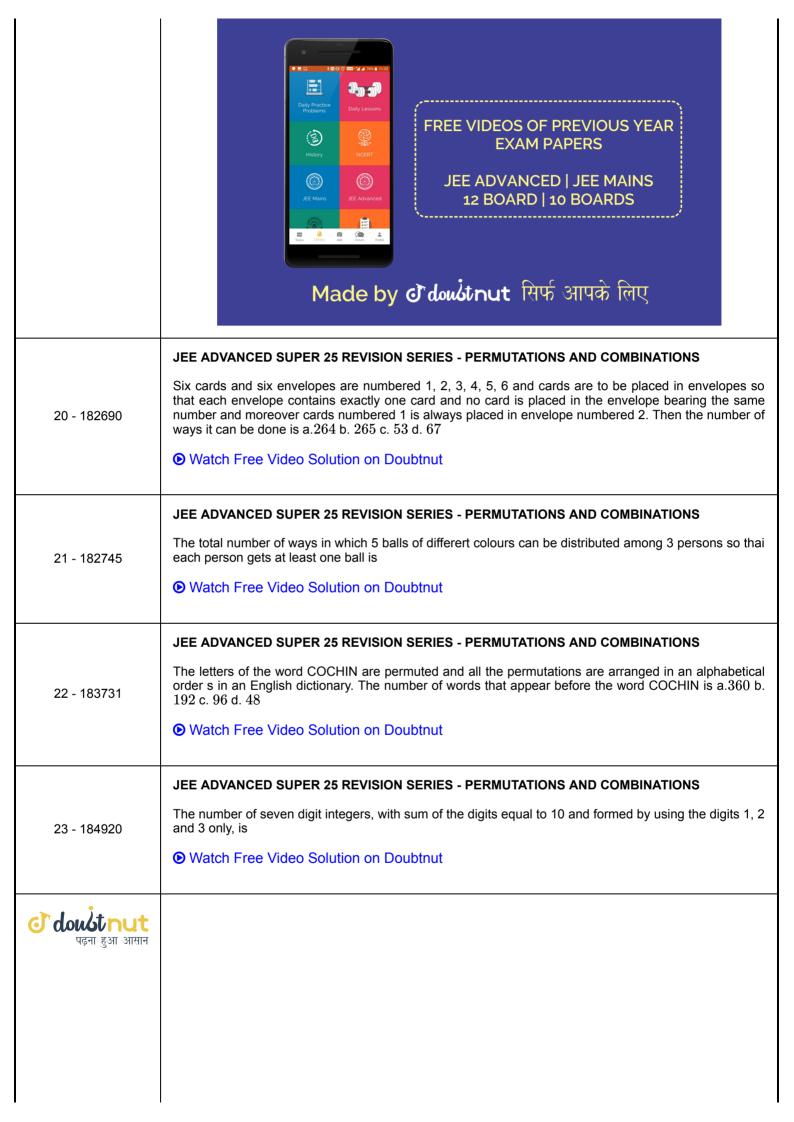
 	
5 - 30542	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS How many five-digit numbers can be made having exactly two identical digits?
	Watch Free Video Solution on Doubtnut
6 - 30707	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	Total number of six-digit numbers that can be formed having the property that every succeeding digit is greater than the preceding digit is equal to a. $\hat{\ }9C_3$ b. $\hat{\ }10C_3$ c. $\hat{\ }9p_3$ d. $\hat{\ }10p_3$
	Watch Free Video Solution on Doubtnut
7 - 30806	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	The total number of ways of selecting six coins out of 20 one-rupee coins, 10 fifty-paisa coins, and 7 twenty-five paisa coins is a. 28 b. 56 c. $^{}$ $37C_6$ d. none of these
	Watch Free Video Solution on Doubtnut
a doust nut पढ़ना हुआ आसान	Crop to one question
	Click Picture of QUESTION Click American of Local Company of the Company of Local Company
	SUBMIT Triplet to the '(1/2-2-1) with report to the '(1/2-2-1) wi
	IEE ADVANCED SUDED 25 DEVISION SEDIES DEDMUTATIONS AND COMPINATIONS
8 - 30857	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS The total number of three-letter words that can be formed from the letter of the word SAHARANPUR is
	equal to a. 210 b. 237 c. 247 d. 227
	Watch Free Video Solution on Doubtnut
9 - 30896	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	Let T_n denote the number of triangles, which can be formed using the vertices of a regular polygon of n sides. It $T_{n+1}-T_n=21$,then n equals a.5 b. 7 c. 6 d. 4
10 - 30920	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS
	To fill 12 vacancies there are 25 candidates of which 5 are from scheduled caste. If three of the vacancies are reserved for scheduled caste candidates while the rest are open to all; the number of ways in which the selection can be made is a. $^{}5C_3\times^{22}C_9$ b. $^{}22C_9-^5C_3$ c. $^{}22C_3+^5C_3$ d. none of these

	Watch Free Video Solution on Doubtnut
11 - 30978	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS In an election, the number of candidates is one greater than the persons to be elected. If a voter an vote
	in 254 ways, the number of candidates is a. 7 b. 10 c. 8 d. 6 • Watch Free Video Solution on Doubtnut
ो doustnut पढ़ना हुआ आसान	Click Here to TYPE & ASK Click stage to the course 'respective to the curse 'respective to the
12 - 31059	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS In a class tournament, all participants were to plan different game with one another. Two players fell ill after having played three games each. If the total number of games played in the tournament is equal to 84, the total number of participants in the beginning was equal to a. 10 b. 15 c. 12 d. 14 • Watch Free Video Solution on Doubtnut
13 - 31237	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS Find the number of ways of selection of at least one vowel and one consonant from the word TRIPLE. • Watch Free Video Solution on Doubtnut
14 - 31244	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS A person invites a group of 10 friends at dinner and sits (i)5 on a round table and 5 more on another round table, (ii)4 on one round table and 6 on the other round table. Find the number of ways in each case in which he can arrange the guest. • Watch Free Video Solution on Doubtnut
15 - 31274	JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS Find the number of ways in which 6 men and 5 women can dine at around table if no two women are to sit so together. • Watch Free Video Solution on Doubtnut
doustnut ugent हुआ आसान	



o doust nu

पढ़ना हुआ आसान





24 - 1390485

The number of 5 digit numbers which are divisible by 4, with digits from the set $\{1, 2, 3, 4, 5\}$ and the repetition of digits is allowed, is _____.

▶ Watch Free Video Solution on Doubtnut

JEE ADVANCED SUPER 25 REVISION SERIES - PERMUTATIONS AND COMBINATIONS

25 - 1390486

Let X be the set consisting of the first 2018 terms of the arithmetic progression $1, 6, 11, \cdots$ and Y be the set consisting of the first 2018 terms of the arithmetic progression $9, 16, 23, \ldots$. Then, the number of elements in the set $X \cup Y$ is _____.

- Watch Free Video Solution on Doubtnut
- ◆ Download Doubtnut to Ask Any Math Question By just a click
- ◆ Doubtnut Has More Than 1 Lakh Video Solutions
- ✓ Free Video Solutions of NCERT, RD Sharma, RS Aggarwal, Cengage (G.Tewani), Resonance DPP, Allen, Bansal, FIITJEE, Akash, Narayana, VidyaMandir
- Download Doubtnut Today

