

ECAT Pre General Science Physics Chapter 2 Vectors and Equilibrium Online Test

Sr	Questions	Answers Choice
1	A vector which has magnitude 'one' is called:	A. Resultant vector B. A unit vector C. Position vector D. None of these
2	A person starts his journey from a point 0, travels 4 Km SW, then 4 Km NW, and finally 4 Km north-east. At what distance is he now from point 0?	A. 0 Km B. 4 Km C. 8 Km D. 12 Km
3	Two vectors to be combined have magnitudes of 60 N and 35 N. Pick the possible answer:	A. 100 N B. 70 N C. 20 N D. Zero
4	A vector of magnitude 5 N is added to a vector of magnitude 8 N while the orientations are changeable. Range of their possible sum will be very from:	A. Zero to 3 N B. 1 N to 13 N C. 13 N to 3 N D. None of these
5	A vector of magnitude 5 N is added to a vector of magnitude 8 N while the orientations are changeable. Range of their possible sum will be very from:	A. Zero to 3 N B. 1 N to 13 N C. 13 N to 3 N D. None of these
6	If the vector 5 N lies along with x-axis, then its component along y-axis will be:	A. Zero B. 5 N C. 7 N D. 10 N
7	The rectangular components of a vector are equal in magnitude when the vector makes and anglewith their x-component:	A. 0 B. 30 <span 10.5pt;="" 107%;="" arial,="" background-image:="" background-negities;="" font-family:="" font-size:="" initial;="" initial;<="" line-height:="" sans-serif;="" style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-position: initial; background-repeat: initial; background-clip: initial; background-clip: initial; background-clip: initial; background-mage: initial; background-mage: initial; background-position: initial; background-size: initial; background-attachment: initial; background-attachment: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-origin: initial; background-image: initial; background-attachment: initial; background-image: initial; background-attachment: initial; background-origin: initial; backgro</th></tr><tr><td></td><td></td><td>A. 60

A. 60<span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip:

8	When the magnitude of two component vectors are equal to that of their resultant, then the angle between the components is:	B. 90 ° C. 120 ° D. 150 ° D. 150
---	---	--