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## ECAT Physics – Engineering College Admission Test Preparation

**➔ SCALAR AND VECTOR**

TOPIC # 01

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- The quantities which can be added, subtracted and multiplied by simple algebraic rules are**
  - Scalars
  - Vectors
  - Physical
  - Positive
- Choose the vector**
  - Weight and mass
  - Velocity and speed
  - Force and acceleration
  - Velocity and energy
- Which of the following are-scalar quantities?**
  - Energy and Force
  - Speed and Mass
  - Temperature and Velocity
  - Volume and Weight
- The length of the tail of the arrow represents the \_\_\_\_\_ of the vector?**
  - Direction
  - Magnitude
  - Direction and magnitude both
  - Resultant vector
- A vector "A" in any given direction, whose magnitude is unit is referred as a:**
  - Null Vector
  - Unit Vector
  - Component Vector
  - Fixed Vector
- When a vector is divided by its own magnitude we get a new vector known as:**
  - Unit Vector
  - Normal Vector
  - Null Vector
  - Fixed Vector
- A vector which can be displaced parallel to itself and applied at any point is known as a**
  - Parallel
  - Free vector
  - Unit vector
  - Zero vector
- If the magnitude and direction of two vectors are same then these vectors are :**
  - Equal
  - Same
  - Equivalent
  - Opposite
- The components of position vector are referred as:**
  - Horizontal components
  - Vertical components
  - Co-Ordinates
  - Resultant
- The angle between the rectangular components of a vector is always**
  - Less than  $90^\circ$
  - Greater than  $90^\circ$
  - Equal to  $180^\circ$
  - Equal to  $90^\circ$

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Scalar and Vector are just two of the many quantities used in physics. Scalar is a quantity that is totally described by magnitude or size, ... or vector: the speed of a snail, the time it takes to run a mile, the free-fall acceleration. A.. Scalars And Vectors Mcqs Pdf Free - DOWNLOAD. 8b9facfde6 Kinematics Multiple Choice Questions Test 3 Tests pdf Download. Practice .... car's velocity is a vector quantity since it includes both magnitude and direction. To distinguish between scalars and vectors we will denote scalars by lower case .... Engineering Physics Questions and Answers – Scalar and Vector ... Physics Multiple Choice Questions & Answers (MCQs) focuses on “Scalar and Vector”. 1. ... Participate in the Sanfoundry Certification contest to get free Certificate of Merit.. Justification: A vector quantity always has a magnitude (size) and direction. A scalar quantity only has magnitude. Let us look at each term separately: Velocity has .... Kids take a quiz on Physics: Scalars and Vectors. Practice science problems online test and questions for students and teachers.. A scalar quantity is one, which is fully defined by magnitude alone. Important scalars: distance, speed, mass, time, work, energy, power, etc. 2. A vector quantity is .... Dec 10,2020 - MCQ (Practice)- Scalar And Vectors, Class 11, Physics | 50 Questions MCQ Test has questions of preparation. This test is Rated positive by 94% .... The scalar product (aka dot product) of two perpendicular vectors is a) ...0 ... Free point on this question due to error in some grading templates. a) Reading from .... Which of the following is a scalar quantity? Acceleration; Electric Field; Work; Displacement. Answer: (c) Work. 12. A boy walks uniformly along .... Printable free MCQs in PDF of Physics Scalars and Vectors are developed by school teachers at StudiesToday.com. We provide most exclusive database free ...

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