

Assignment-1

Question:

Ans: - Simple Harmonic Motion is a special type of periodic motion in which a particle moves to and fro repeatedly about a mean-position under a restoring force,

The restoring force is ($F = -Kx$)

2-Characteristics of Simple Harmonic Motion:

Ans: - Symmetry of maximum displacement point of each cycle is constant.

3-Define simple harmonic motion and its character?

Ans: - Simple Harmonic Motion is a special type of periodic motion in which a particle moves to and fro repeatedly about a mean-position under a restoring force,

The restoring force is ($F = -Kx$)

4-Characteristics of Simple Harmonic Motion:

Ans: - Symmetry of maximum displacement point of each cycle is constant.

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