Summary of the given text:

1. Introduction:

   - Namo G.K Murthy, Director of JEE and NEET at Unacademy, is the speaker addressing the viewers.
   - He acknowledges his awards for the best teaching and pedagogy and highlights the achievements of Unacademy.

4. Motion:

   - Motion is defined when an object changes its position.
   - Displacement is the shortest distance between the initial and final points of an object.
   - Distance is the actual length of the path described by a moving particle.
   - For a closed path, displacement is zero, but distance is non-zero.

9. Examples:

   - Calculating distance and displacement for a farmer's movement on a farm.
   - Analyzing displacement and distance for a vertically thrown ball.
   - Determining the distance and displacement of a particle in different scenarios.

13. Difference between Distance and Displacement:

   - The line segment connecting initial and final points represents displacement, while the entire path taken represents distance.
   - Displacement is a vector quantity, while distance is a scalar quantity.
   - Displacement is only non-zero for a non-closed path.

17. Speed and Velocity:

   - Speed is the magnitude of velocity.
   - Velocity is a vector quantity that includes both speed and direction.
   - For two objects with the same speed, they can have different velocities if moving in different directions.

21. Average Speed and Velocity:

   - Average speed is the total distance covered divided by the total time taken.
   - Average velocity is the total displacement divided by the total time taken.

24. Instantaneous Speed and Velocity:

   - Instantaneous speed is the speed at a given instant of time.
   - Instantaneous velocity is the velocity at a given instant of time.

27. Acceleration:

   - Acceleration is the rate of change of velocity.
   - Average acceleration is the change in velocity divided by the change in time.
   - Instantaneous acceleration is the derivative of velocity with respect to time.

31. Applications of Kinematics:

- Solving problems involving particle motion.
- Calculating displacement, time, velocity, acceleration, distance, and speed in different scenarios.

34. Conclusion:

- The speaker encourages viewers to join the Telegram channel and sign up for Vectors GLD Abhyas Classes.
- The speaker emphasizes the importance of JEE preparation and highlights the benefits offered by Unacademy.
- The speaker mentions Yalgaar and Yodha batches for JEE aspirants and provides the UDAAN code for maximum benefits.
- The speaker acknowledges the efforts of the Unacademy team and encourages viewers to subscribe and like the video.