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Discuss the following motion of the follower by drawing the displacement velocity and acceleration diagram.

Question:

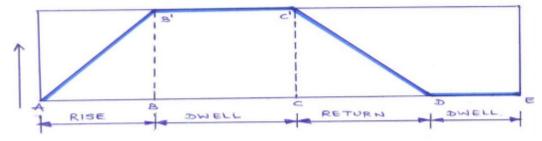
Discuss the following motion of the follower by drawing the displacement velocity and acceleration diagram.

- (i) Uniform Velocity
- (ii) Simple Harmonic Motion
- (iii) Uniform acceleration and retardation

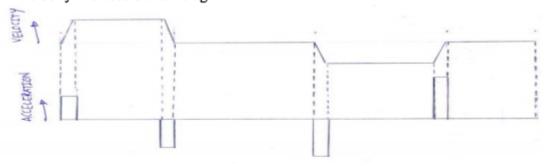
Answer:

i) uniform velocity.

displacement diagram:

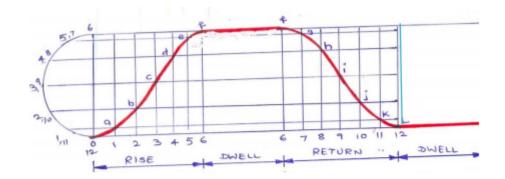


Velocity and acceleration diagram:

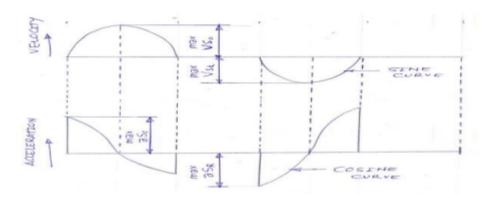


ii) simple harmonic motion.

Displacement diagram:

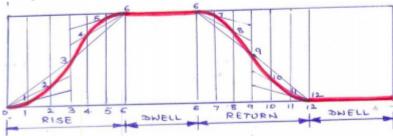


Velocity and acceleration diagram:



iii) uniform acceration and retardation.

Displacement diagram:



Velocity and acceleration diagram:

